



November 29, 2005

State of Utah  
Division of Oil, Gas & Mining  
Attn: Diana Whitney  
1594 West North Temple - Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

RE: Applications for Permit to Drill: 2-3-9-16, 7-3-9-16, 8-3-9-16, 9-3-9-16, 10-3-9-16, 15-3-9-16, 16-3-9-16, and 1-10-9-17.

Dear Diana:

Enclosed find APD's on the above referenced wells. If you have any questions, feel free to give either Shon Mckinnon or myself a call.

Sincerely,

A handwritten signature in cursive script that reads "Mandie Crozier".

Mandie Crozier  
Regulatory Specialist

mc  
enclosures

RECEIVED

NOV 30 2005

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

5. Lease Serial No.

UTU-79832

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA Agreement, Name and No.

South Wells Draw

8. Lease Name and Well No.

South Wells Draw Federal 16-3-9-16

9. API Well No.

43-013-32969

10. Field and Pool, or Exploratory

Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area

SE/SE Sec. 3, T9S R16E

12. County or Parish

Duchesne

13. State

UT

1a. Type of Work: ☒ DRILL ☐ REENTER

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone

2. Name of Operator

Newfield Production Company

3a. Address

Route #3 Box 3630, Myton UT 84052

3b. Phone No. (include area code)

(435) 646-3721

4. Location of Well (Report location clearly and in accordance with any State requirements.)\*

At surface SE/SE 689' FSL 663' FEL 526962X 40.054447  
At proposed prod. zone 4433980Y 110.097807

14. Distance in miles and direction from nearest town or post office\*

Approximately 13.2 miles southwest of Myton, Utah

15. Distance from proposed\*  
location to nearest  
property or lease line, ft.  
(Also to nearest drig. unit line, if any)

Approx. 663 f/lse, 663' f/unit

16. No. of Acres in lease

200.00

17. Spacing Unit dedicated to this well

40 Acres

18. Distance from proposed location\*  
to nearest well, drilling, completed,  
applied for, on this lease, ft.

Approx. 1399'

19. Proposed Depth

6210'

20. BLM/BIA Bond No. on file

UT0056

21. Elevations (Show whether DF, KDB, RT, GL, etc.)

5592' GL

22. Approximate date work will start\*

1st Quarter 2006

23. Estimated duration

Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature

Title

Regulatory Specialist

Name (Printed/Typed)

Mandie Crozier

Date

11/29/05

Approved by Signature

Title

BRADLEY G. HILL  
ENVIRONMENTAL SCIENTIST III

Name (Printed/Typed)

Date

12-05-05

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

RECEIVED

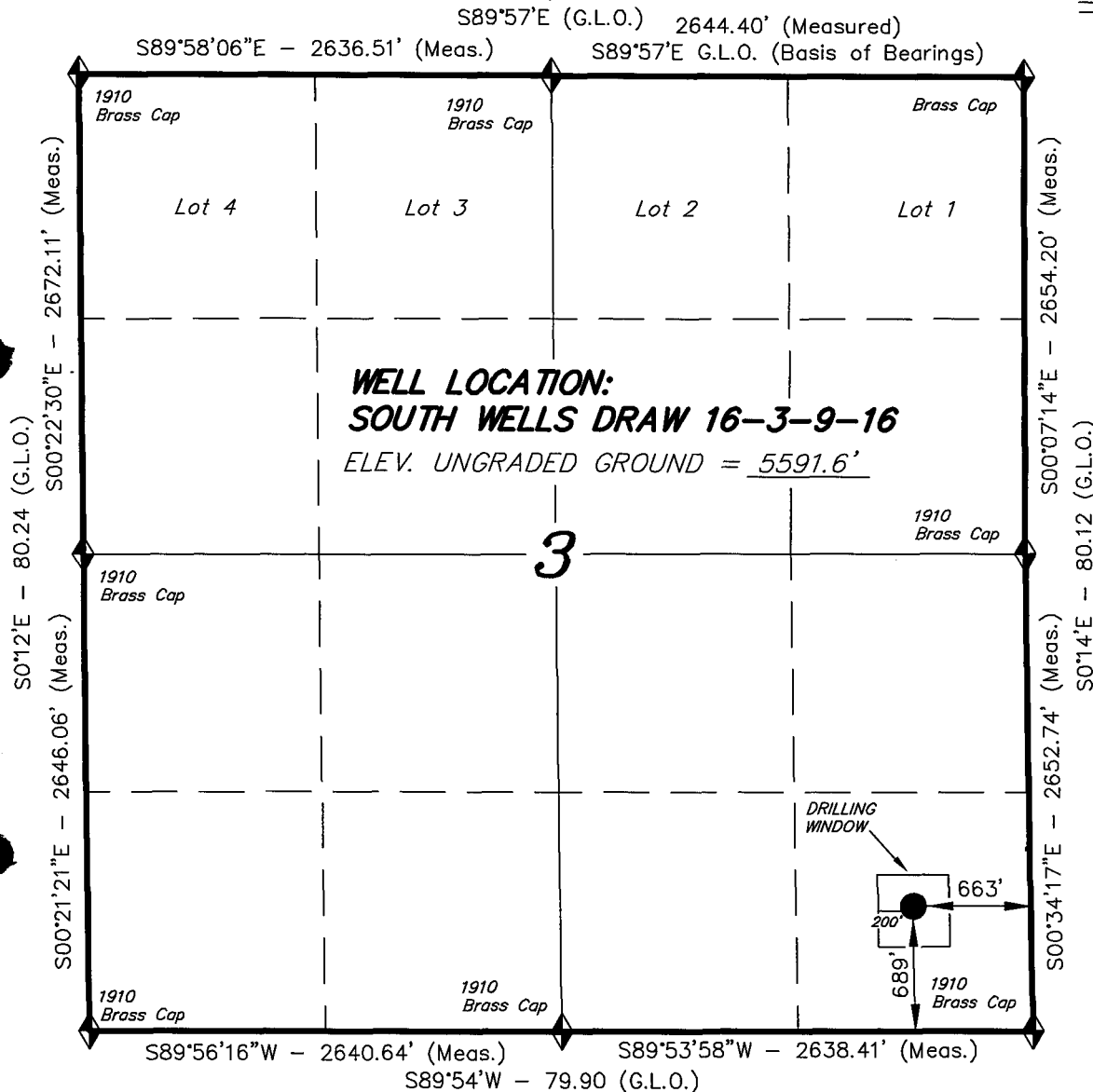
NOV 30 2005

Federal Approval of this  
Action is Necessary

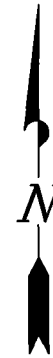
DIV. OF OIL, GAS & MINING

**T9S, R16E, S.L.B.&M.**

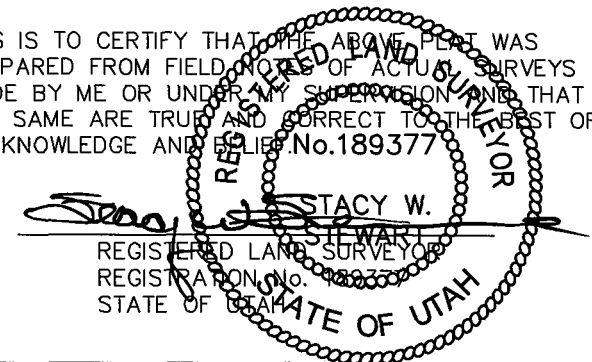
**NEWFIELD PRODUCTION COMPANY**



WELL LOCATION, SOUTH WELLS DRAW 16-3-9-16, LOCATED AS SHOWN IN THE SE 1/4 SE 1/4 OF SECTION 3, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. No. 189377



**TRI STATE LAND SURVEYING & CONSULTING**  
 180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
 (435) 781-2501

SCALE: 1" = 1000'	SURVEYED BY: C.M.
DATE: 11-1-05	DRAWN BY: F.T.M.
NOTES:	FILE #

**NEWFIELD PRODUCTION COMPANY  
SOUTH WELLS DRAW FEDERAL #16-3-9-16  
SE/SE SECTION 3, T9S, R16E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**DRILLING PROGRAM**

**1. GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

**2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0' – 2510'
Green River	2510'
Wasatch	6210'

**3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation 2510' – 6210' - Oil

**4. PROPOSED CASING PROGRAM**

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

**5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

Please refer to the Monument Butte Field SOP. See Exhibit "C".

**6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

Please refer to the Monument Butte Field SOP.

**7. AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Please refer to the Monument Butte Field SOP.

**8. TESTING, LOGGING AND CORING PROGRAMS:**

Please refer to the Monument Butte Field SOP.

**9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered.

**10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

Please refer to the Monument Butte Field SOP.



**NEWFIELD PRODUCTION COMPANY  
SOUTH WELLS DRAW FEDERAL #16-3-9-16  
SE/SE SECTION 3, T9S, R16E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**MULTI-POINT SURFACE USE & OPERATIONS PLAN**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Newfield Production Company well location site South Wells Draw Federal #16-3-9-16 located in the SE 1/4 SE 1/4 Section 3, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southeasterly along Hwy 53 - 5.2 miles  $\pm$  to it's junction with an existing dirt road to the southwest; proceed southwesterly - 2.9 miles  $\pm$  to it's junction with an existing road to the southeast; proceed southeasterly - 2.4 miles  $\pm$  to it's junction with an existing road to the southwest; proceed southwesterly - 1.1 miles  $\pm$  to it's junction with the beginning of the proposed access road; proceed along the proposed access road - 770'  $\pm$  to the proposed well location.

**2. PLANNED ACCESS ROAD**

See Topographic Map "B" for the location of the proposed access road.

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "B".

**4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

All permanent surface equipment will be painted Carlsbad Canyon.  
Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

**5. LOCATION AND TYPE OF WATER SUPPLY**

Please refer to the Monument Butte Field SOP. See Exhibit "A".

**6. SOURCE OF CONSTRUCTION MATERIALS**

Please refer to the Monument Butte Field SOP.

**7. METHODS FOR HANDLING WASTE DISPOSAL**

Please refer to the Monument Butte Field SOP.

**8. ANCILLARY FACILITIES**

Please refer to the Monument Butte Field SOP.

9. **WELL SITE LAYOUT**

See attached Location Layout Diagram.

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the Monument Butte Field SOP.

11. **SURFACE OWNERSHIP** - Bureau Of Land Management

12. **OTHER ADDITIONAL INFORMATION**

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. AERC Report #1598, 7/21/98. Paleontological Resource Survey prepared by, Wade E. Miller, 6/2/05. See attached report cover pages, Exhibit "D".

For the South Wells Draw Federal #16-3-9-16 Newfield Production Company requests a 5' ROW be granted in Lease ML-21839 and 765' of disturbed area be granted in Lease UTU-79832 to allow for construction of the proposed access road. **Refer to Topographic Map "B"**. The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Newfield Production Company requests a 5' ROW be granted in Lease ML-21839 and 765' of disturbed area be granted in Lease UTU-79832 to allow for construction of the proposed gas lines. It is proposed that the ROW and disturbed area will be 50' wide to allow for construction of a buried 6" gas gathering line, and a buried 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

**Water Disposal**

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

**Threatened, Endangered, And Other Sensitive Species**

**Mountain Plover:** If new construction or surface disturbing activities are scheduled to occur between May 1 and June 15, detailed surveys of the area within 0.5 mile of the proposed location and within 300 feet of proposed access routes must be conducted to detect the presence of mountain plovers. All surveys must be conducted in accordance with the survey protocols outlined in the most recent USFWS Survey Protocol. Surveys must be completed prior to initiating new construction or surface disturbing activities. No new construction or surface

disturbing activities will be allowed between March 15 and August 15 within a 0.5 mile radius of any documented mountain plover nest site.

**Reserve Pit Liner**

A 12 mil liner with felt is required. Please refer to the Monument Butte Field SOP.

**Location and Reserve Pit Reclamation**

Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Crested Wheatgrass	<i>Agropyron Cristatum</i>	12 lbs/acre
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**Details of the On-Site Inspection**

The proposed South Wells Draw Federal #16-3-9-16 was on-sited on 8/30/05. The following were present; Shon Mckinnon (Newfeild Production), Todd MaGrath (Bureau of Land Management), and Byron Tolman (Bureau of Land Management). Weather conditions were clear and ground cover was 100% open.

**13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION**

Representative

Name: Shon Mckinnon  
Address: Route #3 Box 3630  
Myton, UT 84052  
Telephone: (435) 646-3721

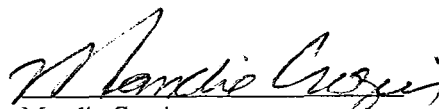
Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #16-3-9-16 SE/SE Section 3, Township 9S, Range 16E: Lease UTU-79832 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

11/29/05

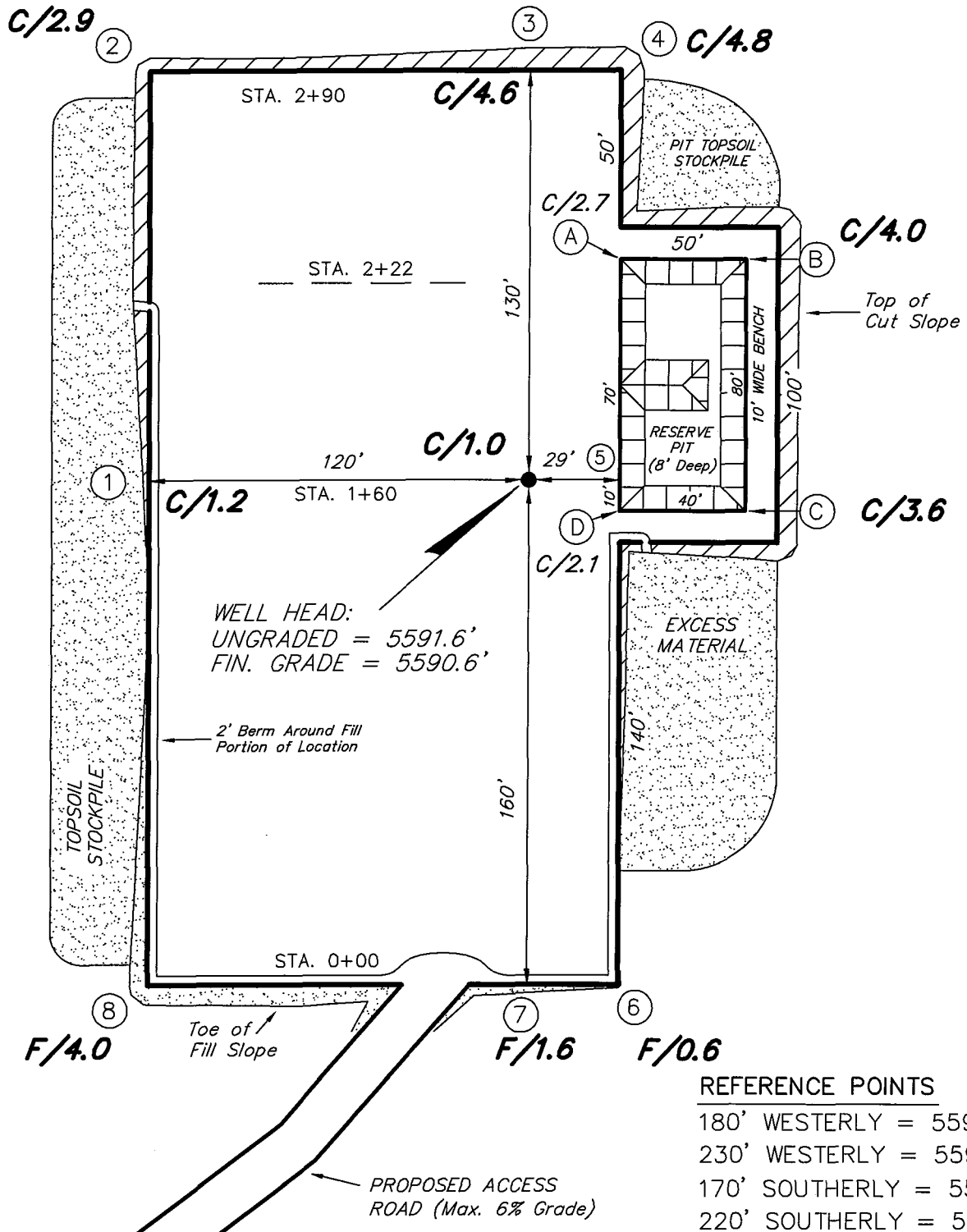
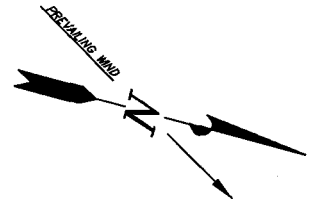
Date

  
Mandie Crozier  
Regulatory Specialist  
Newfield Production Company

# NEWFIELD PRODUCTION COMPANY

SOUTH WELLS DRAW 16-3-9-16

Section 3, T9S, R16E, S.L.B.&M.



SURVEYED BY: C.M.

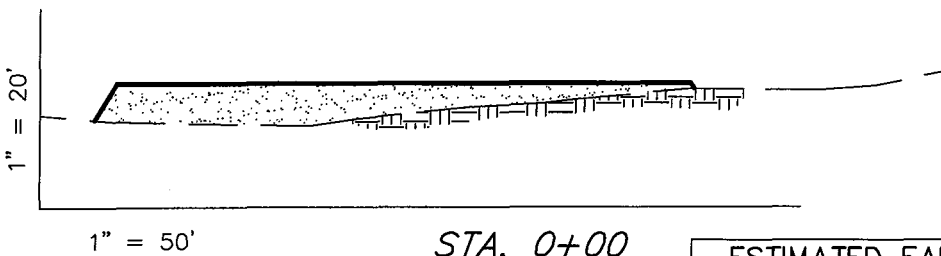
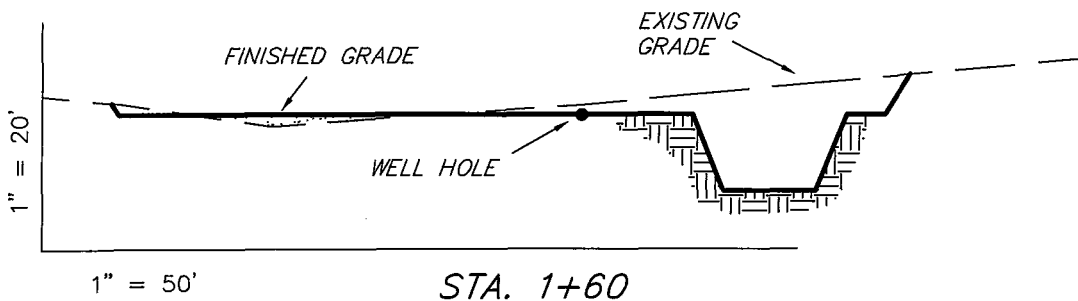
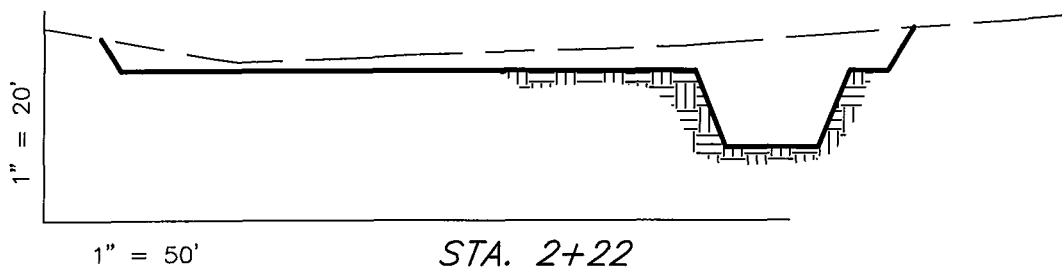
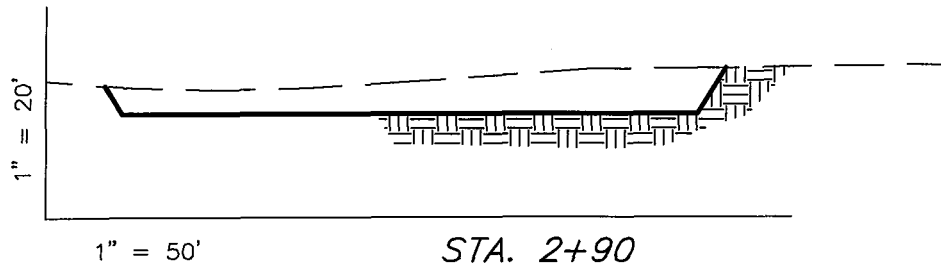
SCALE: 1" = 50'

DRAWN BY: F.T.M.

DATE: 10-31-05

**Tri State**  
Land Surveying, Inc.  
(435) 781-2501  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

**NEWFIELD PRODUCTION COMPANY**  
**CROSS SECTIONS**  
**SOUTH WELLS DRAW 16-3-9-16**



NOTE:  
UNLESS OTHERWISE NOTED  
ALL CUT/FILL SLOPES ARE  
AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)				
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	1,760	1,750	Topsoil is not included in Pad Cut	10
PIT	640	0		640
TOTALS	2,400	1,750	970	650

SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

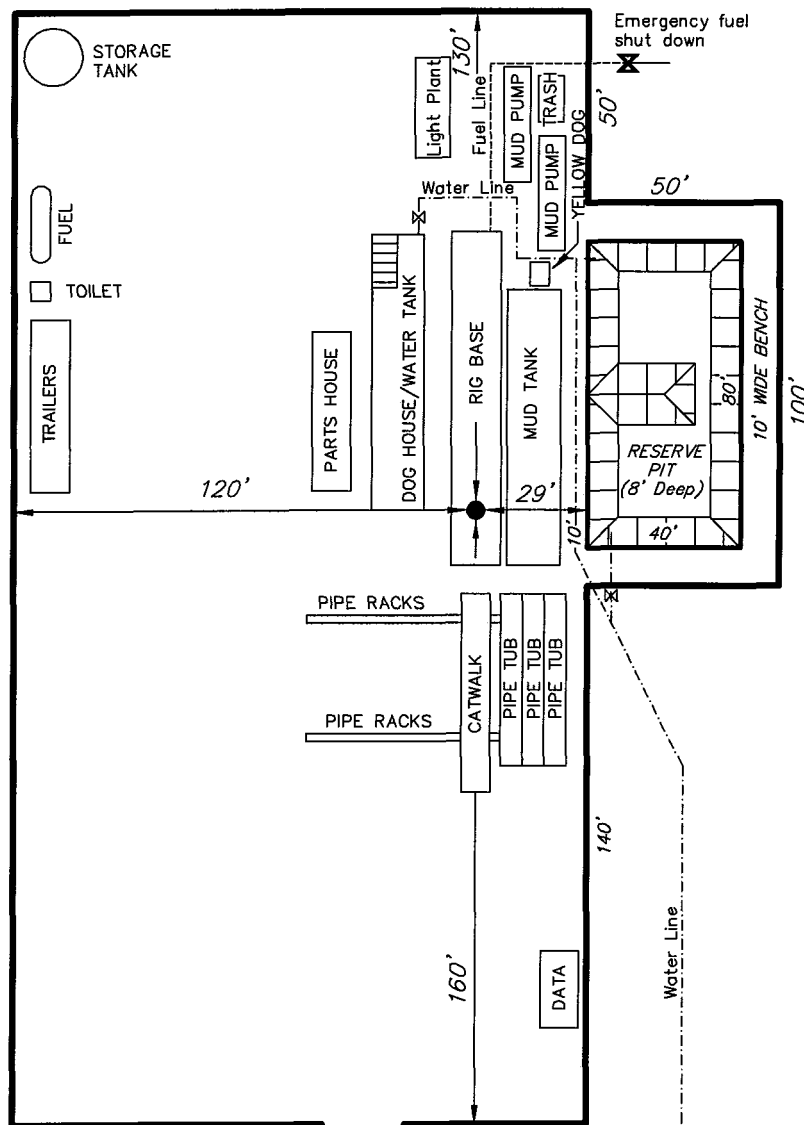
DATE: 10-31-05

**Tri State** (435) 781-2501  
**Land Surveying, Inc.**  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# NEWFIELD PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

### SOUTH WELLS DRAW 16-3-9-16



SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

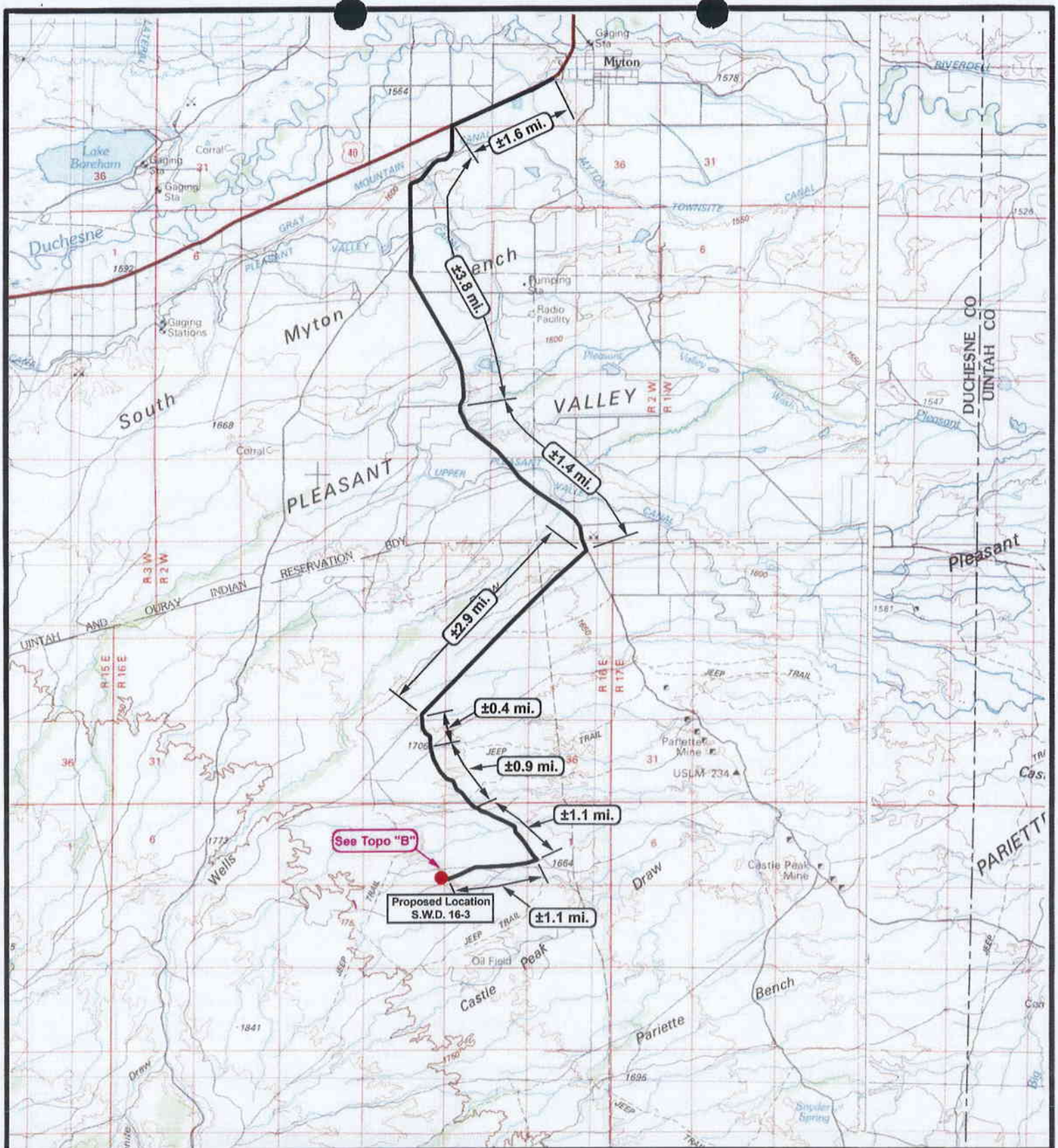
DATE: 10-31-05


**Tri State**  
Land Surveying, Inc.

(435) 781-2501

180 NORTH VERNAL AVE. VERNAL, UTAH 84078







**NEWFIELD**  
Exploration Company

**South Wells Draw 16-3-9-16**  
**SEC. 3, T9S, R16E, S.L.B.&M.**





**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1 = 100,000  
DRAWN BY: mw  
DATE: 11-03-2005

**Legend**

Existing Road

Proposed Access

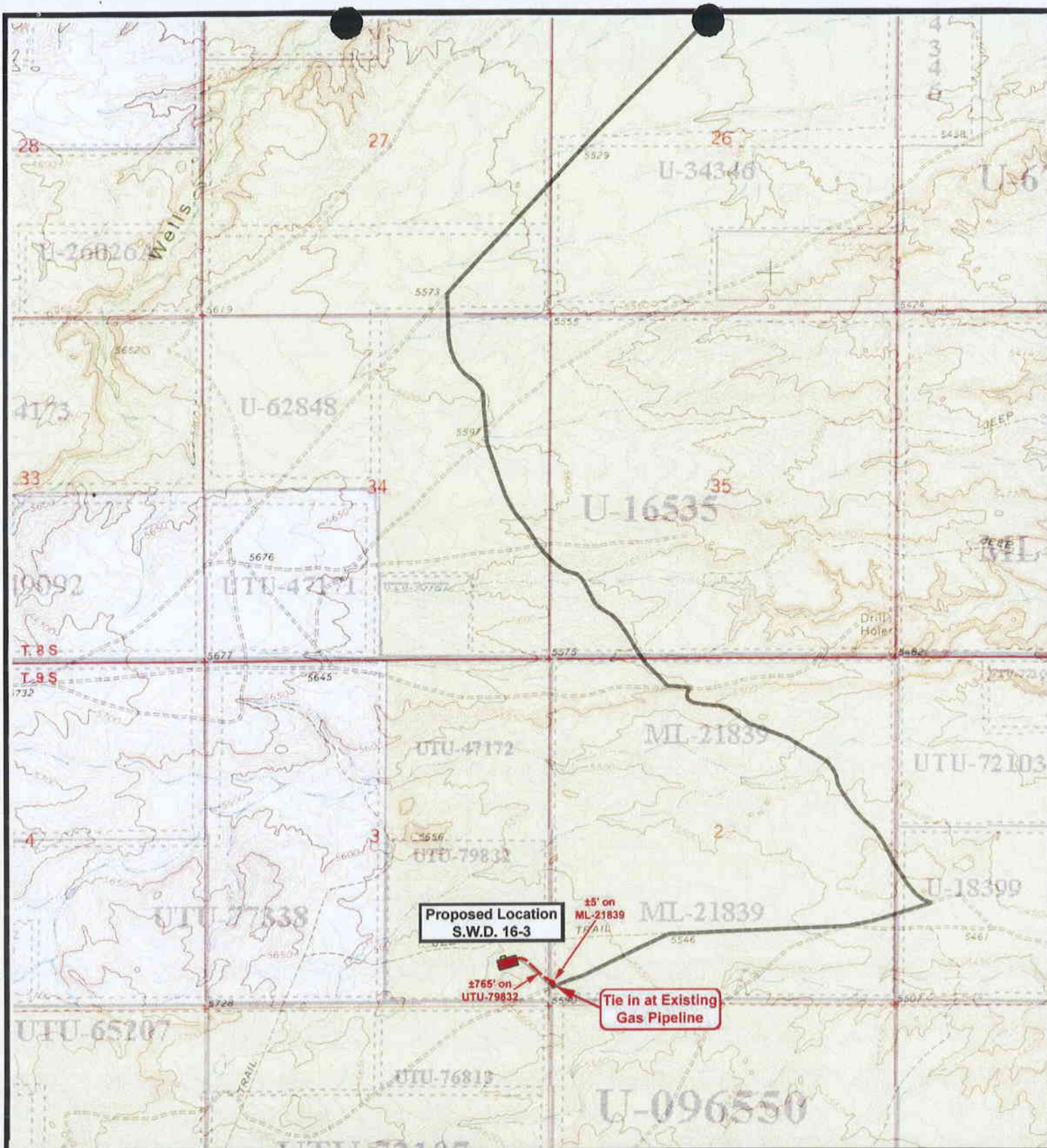
**TOPOGRAPHIC MAP**




**"A"**



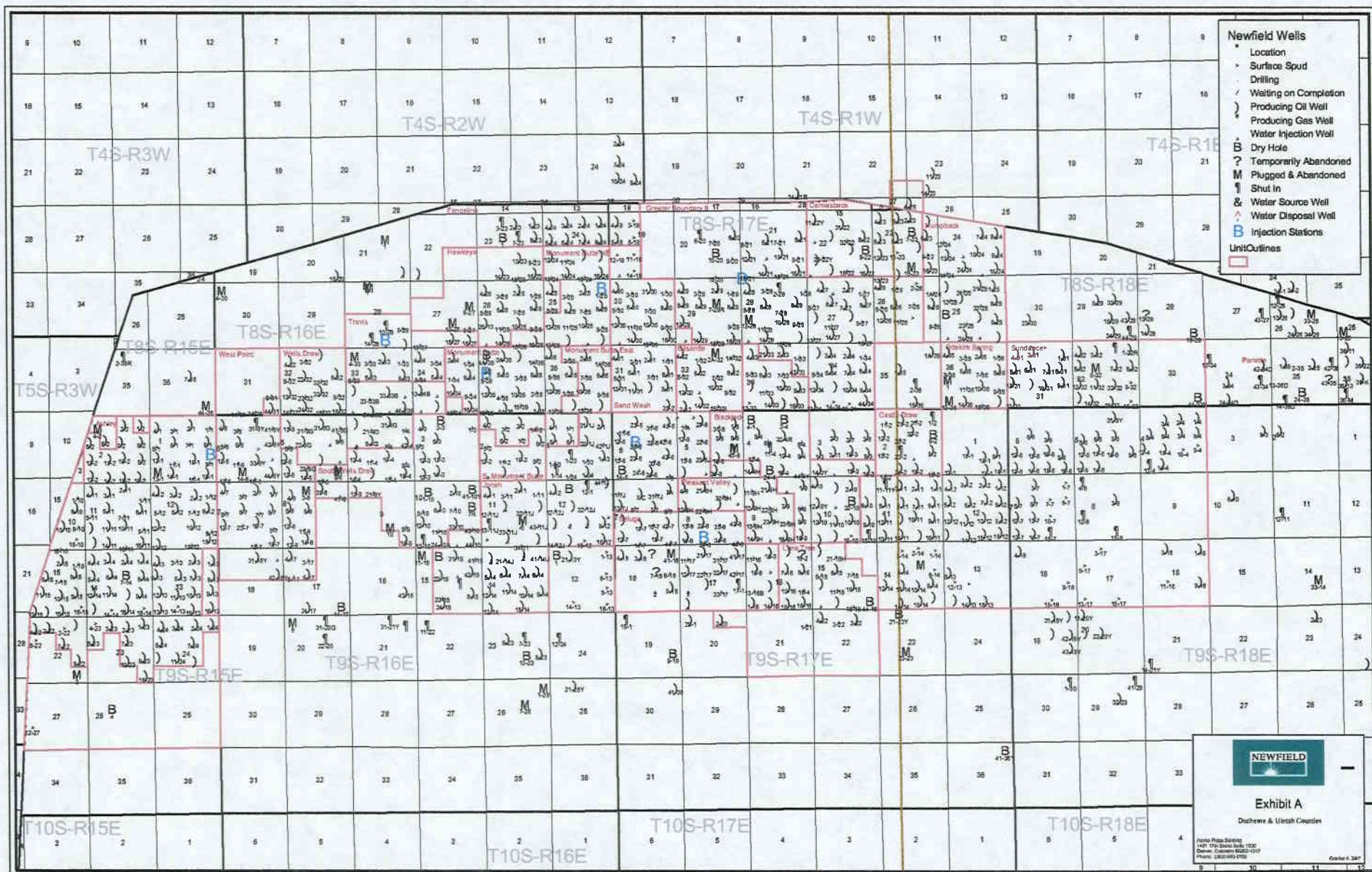




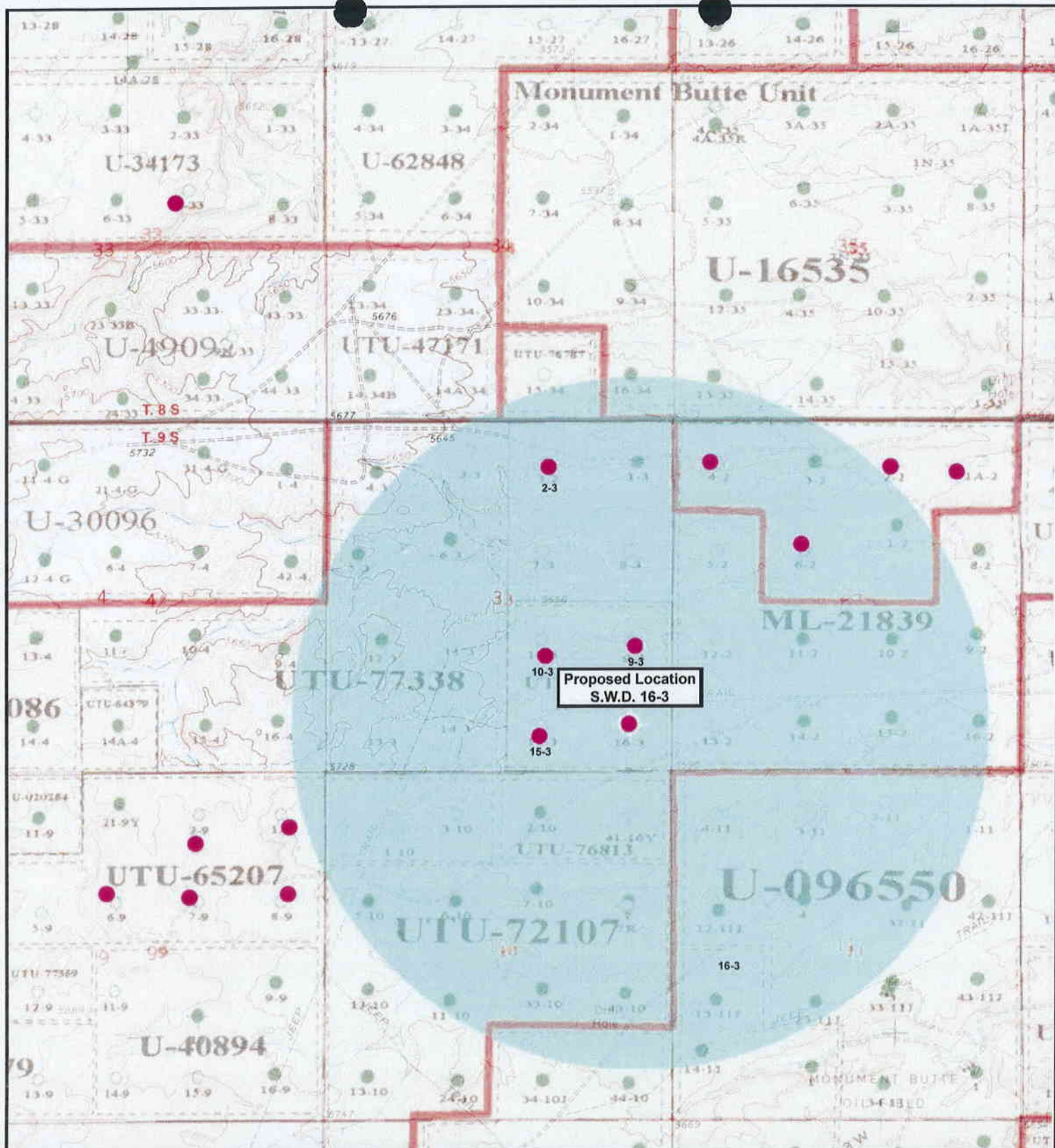


 <p><b>NEWFIELD</b> Exploration Company</p> <p><b>South Wells Draw 16-3-9-16</b> <b>SEC. 3, T9S, R16E, S.L.B.&amp;M.</b></p>		 <p><b>Tri-State</b> Land Surveying Inc. (435) 781-2501 180 North Vernal Ave. Vernal, Utah 84078</p> <p>SCALE: 1" = 2,000' DRAWN BY: mw DATE: 11-03-2005</p>	<p><b>Legend</b></p> <p>— Roads - - - Proposed Gas Line</p> <p><b>TOPOGRAPHIC MAP</b></p> <p><b>"C"</b></p>
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**NEWFIELD**  
Exploration Company

**South Wells Draw 16-3-9-16**  
**SEC. 3, T9S, R16E, S.L.B.&M.**



*Tri-State*  
*Land Surveying Inc.*  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
DRAWN BY: mw  
DATE: 11-03-2005

**Legend**

- Well Locations
- One-Mile Radius

**Exhibit "B"**

## 2-M SYSTEM

Blowout Prevention Equipment Systems

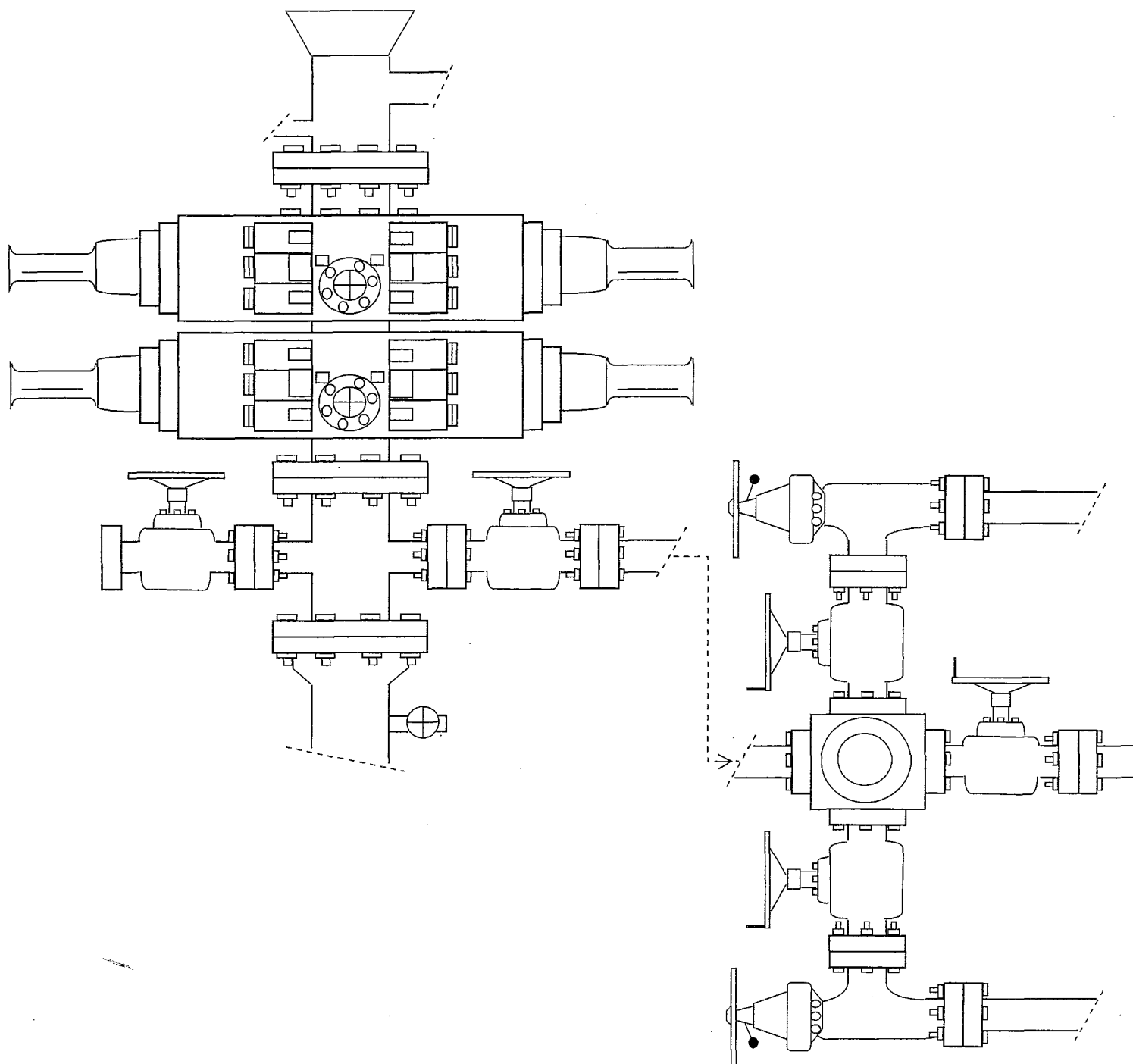


EXHIBIT C

# CULTURAL RESOURCE EVALUATION OF VARIOUS LARGE TRACTS IN THE WELLS DRAW TO PARIETTE BENCH LOCALITY IN DUCHESNE & UINTAH COUNTIES, UTAH

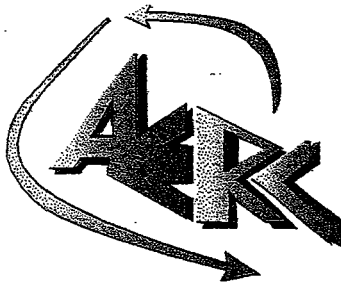
Report Prepared for Inland Resources, Inc.

Department of Interior Permit No.: UT-98-54937

Utah State Project No.: UT-98-AF-0164bs

AERC Project 1598 (IPC98-4)

Author of the Report:  
E. Richard Hauck, Ph.D



**ARCHEOLOGICAL-ENVIRONMENTAL RESEARCH CORPORATION**

181 North 200 West, Suite 5 -- Bountiful, Utah 84010

P.O. Box 853, Bountiful, Utah 84011

Phone: (801) 292-7061, 292-9668 FAX: (801) 292-0614

E-mail: [ari@xmission.com](mailto:ari@xmission.com) Web page: [www.ari-aerc.org](http://www.ari-aerc.org)

July 21, 1998

**NEWFIELD PRODUCTION COMPANY**

**PALEONTOLOGICAL SURVEY OF PROPOSED  
PRODUCTION DEVELOPMENT AREAS,  
DUCHESNE COUNTY, UTAH**

Section 20, T 9 S, R 17 E [entire section excluding the NE 1/4, NE 1/4; NW 1/4, NE 1/4; NE 1/4, NW 1/4; and NW 1/4, NW 1/4]; Section 21, T 9 S, R 17 E [entire section excluding the NE 1/4, NE 1/4], and Section 3, T 9 S, R 16 E, the following parcels [NW 1/4, NE 1/4; SW 1/4, NE 1/4; SE 1/4, NE 1/4; NE 1/4, SE 1/4; NW 1/4, SE 1/4; SW 1/4, SE 1/4 and SE 1/4, SE 1/4].

**REPORT OF SURVEY**

Prepared for:

**Newfield Production Company**

Prepared by:

Wade E. Miller  
Consulting Paleontologist  
June 2, 2005

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 11/30/2005

API NO. ASSIGNED: 43-013-32969

WELL NAME: S WELLS DRAW FED 16-3-9-16

OPERATOR: NEWFIELD PRODUCTION ( N2695 )

CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

SESE 03 090S 160E

SURFACE: 0689 FSL 0663 FEL

BOTTOM: 0689 FSL 0663 FEL

DUCHESNE

MONUMENT BUTTE ( 105 )

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-79832

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV

COALBED METHANE WELL? NO

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LATITUDE: 40.05445

LONGITUDE: -110.0978

RECEIVED AND/OR REVIEWED:

☒ Plat

☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. UT0056 )

☒ Potash (Y/N)

☒ Oil Shale 190-5 (B) or 190-3 or 190-13

☒ Water Permit  
(No. MUNICIPAL )

☒ RDCC Review (Y/N)  
(Date: )

☒ Fee Surf Agreement (Y/N)

☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

\_\_\_ R649-2-3.

Unit SOUTH WELLS DRAW (GR)

\_\_\_ R649-3-2. General

Siting: 460 From Qtr/Qtr & 920' Between Wells

\_\_\_ R649-3-3. Exception

☒ Drilling Unit

Board Cause No: 231-04

Eff Date: 7-16-01

Siting: Suspends Same Siting

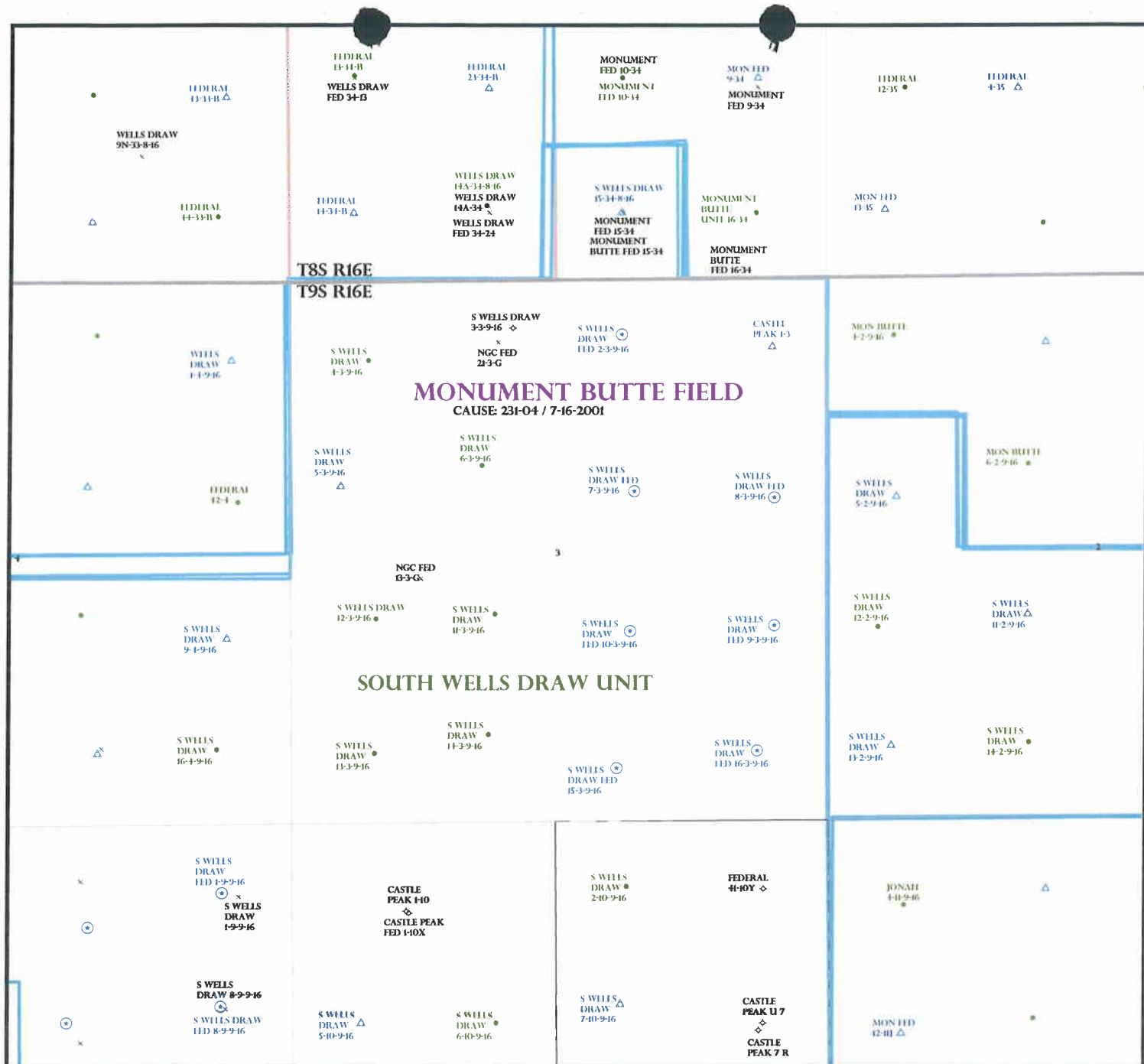
\_\_\_ R649-3-11. Directional Drill

COMMENTS:

*Sup, Separate files*

STIPULATIONS:

*1-Federal Approval*



OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 3 T. 9S R. 16E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

CAUSE: 231-04 / 7-16-2001

**Field Status**

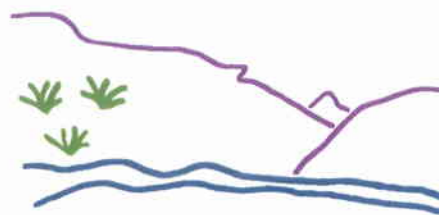
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

**Unit Status**

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

#### Wells Status

- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING



Utah Oil Gas and Mining



PREPARED BY: DIANA WHITNEY  
DATE: 5-DECEMBER-2005



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:  
3160  
(UT-922)

December 5, 2005

### Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2005 Plan of Development South Wells Draw Unit, Duchesne County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2005 within the South Wells Draw Unit, Duchesne County, Utah.

API#	WELL NAME	LOCATION
(Proposed PZ Green River)		
43-013-32963	S Wells Draw	2-3-9-16 Sec 3 T09S R16E 0516 FNL 1975 FEL
43-013-32964	S Wells Draw	7-3-9-16 Sec 3 T09S R16E 2053 FNL 1855 FEL
43-013-32965	S Wells Draw	8-3-9-16 Sec 3 T09S R16E 2127 FNL 0492 FEL
43-013-32966	S Wells Draw	9-3-9-16 Sec 3 T09S R16E 1919 FSL 0494 FEL
43-013-32967	S Wells Draw	10-3-9-16 Sec 3 T09S R16E 1875 FSL 1901 FEL
43-013-32968	S Wells Draw	15-3-9-16 Sec 3 T09S R16E 0531 FSL 2038 FEL
43-013-32969	S Wells Draw	16-3-9-16 Sec 3 T09S R16E 0689 FSL 0663 FEL

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc: File – South Wells Draw Unit  
Division of Oil Gas and Mining  
Central Files  
Agr. Sec. Chron



**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

December 5, 2005

Newfield Production Company  
Rt. #3, Box 3630  
Myton, UT 84052

Re: South Wells Draw Federal 16-3-9-16 Well, 689' FSL, 663' FEL, SE SE, Sec. 3,  
T. 9 South, R. 16 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-32969.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

cc: Duchesne County Assessor  
Bureau of Land Management, Vernal District Office

Operator: Newfield Production Company  
Well Name & Number South Wells Draw Federal 16-3-9-16  
API Number: 43-013-32969  
Lease: UTU-79832

Location: SE SE      Sec. 3      T. 9 South      R. 16 East

### Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

NOV 30 2005

Form 3160-3  
(September 2001)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-79832
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. South Wells Draw
3a. Address Route #3 Box 3630, Myton UT 84052	3b. Phone No. (include area code) (435) 646-3721	8. Lease Name and Well No. South Wells Draw Federal 16-3-9-16
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SE/SE 689' FSL 663' FEL At proposed prod. zone		9. API Well No. 431013.32269
10. Field and Pool, or Exploratory Monument Butte		11. Sec., T., R., M., or Blk. and Survey or Area SE/SE Sec. 3, T9S R16E
14. Distance in miles and direction from nearest town or post office* Approximatley 13.2 miles southwest of Myton, Utah		12. County or Parish Duchesne
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 663' f/lse, 663' f/unit		13. State UT
16. No. of Acres in lease 200.00		17. Spacing Unit dedicated to this well 40 Acres
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1399'		20. BLM/BIA Bond No. on file UT0056
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5592' GL		22. Approximate date work will start* 1st Quarter 2006
		23. Estimated duration Approximately seven (7) days from spud to rig release

## 24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature <i>Mandie Crozier</i>	Name (Printed/Typed) Mandie Crozier	Date 11/29/05
Title Regulatory Specialist		
Approved by (Signature) <i>Jerry Kenczka</i>	Name (Printed/Typed) JERRY KENCZKA	Date 8-30-2006
Title Assistant Field Manager Lands & Mineral Resources		
Office VERNAL FIELD OFFICE		

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED

SEP 11 2006

DIV. OF OIL, GAS &amp; MINING



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

**Company:** Newfield Production Company  
**Well No:** SWD Federal 16-3-9-16  
**API No:** 43-013- 32969

**Location:** SESE, Sec 3, T9S, R16E  
**Lease No:** UTU-79832  
**Agreement:** South Wells Draw

Petroleum Engineer:	Matt Baker	Office: 435-781-4490	Cell: 435-828-4470
Petroleum Engineer:	Michael Lee	Office: 435-781-4432	Cell: 435-828-7875
Supervisory Petroleum Technician:	Jamie Sparger	Office: 435-781-4502	Cell: 435-828-3913
Environmental Scientist:	Paul Buhler	Office: 435-781-4475	Cell: 435-828-4029
Environmental Scientist:	Karl Wright	Office: 435-781-4484	
Natural Resource Specialist:	Holly Villa	Office: 435-781-4404	
Natural Resource Specialist:	Melissa Hawk	Office: 435-781-4476	
Natural Resource Specialist:	Chris Carusona	Office: 435-781-4441	
Natural Resource Specialist:	Scott Ackerman	Office: 435-781-4437	
<b>After Hours Contact Number: 435-781-4513</b>		Fax: 435-781-4410	

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a one-year period. An additional year extension may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

- |   |   |
|---|---|
| Location Construction<br>(Notify Chris Carusona)        | - Forty-Eight (48) hours prior to construction of location and access roads.  |
| Location Completion<br>(Notify Chris Carusona)          | - Prior to moving on the drilling rig.  |
| Spud Notice<br>(Notify Petroleum Engineer)              | - Twenty-Four (24) hours prior to spudding the well.  |
| Casing String & Cementing<br>(Notify Jamie Sparger)     | - Twenty-Four (24) hours prior to running casing and cementing all casing strings   |
| BOP & Related Equipment Tests<br>(Notify Jamie Sparger) | - Twenty-Four (24) hours prior to initiating pressure tests   |
| First Production Notice<br>(Notify Petroleum Engineer)  | - Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days |

**SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

- This well is being approved in accordance with Washington Instruction Memorandum 2005-247 and Section 390 (Category 3) of the Energy Policy Act which establishes statutory categorical exclusions (CX) under the National Environmental Policy Act (NEPA). Category 3 states that an oil or gas well can be drilled within a developed field for which an approved land use plan or any environmental document prepared pursuant to NEPA analyzed drilling as a reasonably foreseeable activity, so long as such plan or document was approved within five (5) years prior to the date of spudding the well. This well is covered under the *Final Environmental Impact Statement and Record of Decision Castle Peak and Eightmile Flat Oil and Gas Exploration Project Newfield Rocky Mountains Inc.*, signed November 21, 2005. If the well has not been spudded by November 21, 2010, a new environmental document will have to be prepared prior to the approval of the APD.
- All applicable local, state, and/or federal laws, regulations, and/or statutes must be complied with.
- Construction related traffic shall be restricted to approved routes. Cross-country vehicle travel will not be allowed.
- No drilling or surface disturbing activities are allowed 600' or less from live water.
- The proposed action is in Mountain Plover nesting habitat. According to the 43 CFR 3101.1-2, surface disturbing activities and drilling may be prohibited during the year to minimize adverse impacts to nesting raptors. During the period of **May 15<sup>th</sup> through June 15<sup>th</sup>**, no new drilling or surface disturbing activities will be allowed. If a request for an exception to this limitation is desired, the request must be made in writing to the Vernal Field Office Manager and approved prior to drilling or surface disturbing activities.
- If additional erosion occurs during the life of this project, more culverts, low water crossings, berms, wing ditches or etc. will be needed to control the erosion.
- The reserve pit will be lined with a 16 ml or greater liner prior to spudding.
- No vehicle travel, construction or routine maintenance activities shall be performed during periods when the soil is too wet to adequately support vehicles and/or construction equipment. If such equipment creates ruts in excess of four inches deep, the soil shall be deemed too wet to adequately support construction equipment.
- The liner is to be cut 5 feet below ground or at the level of the cuttings, whichever is deeper and the excess liner material is to be disposed of at an authorized disposal site.
- When the reserve pit contains fluids or toxic substances, the operator must ensure that animals do not ingest or become entrapped in pit fluids.
- The well pad and access/pipeline require monitoring by a qualified Paleontologist prior to and during any surface disturbing activities.
- Prevent fill and stock piles from entering drainages.

Cultural And Paleontological Resources Stipulation - Any cultural and/or paleontological resource (historic or prehistoric site or object or fossil) discovered by the holder, or any person working on his behalf, on public or Federal land shall be immediately reported to the authorized officer. Holder shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the authorized officer. An evaluation of the discovery will be made by the authorized officer to determine appropriate actions to prevent the loss of significant cultural or scientific values. The holder will be responsible for the cost of evaluation and a decision as to proper mitigation measures shall be made by the authorized officer after consulting with the holder.

- The access road will be crowned and ditched. Flat-bladed roads are **NOT** allowed.
- Notify the Authorized Officer 48 hours prior to surface disturbing activities.
- All well facilities not regulated by OSHA will be painted Carlsbad Canyon.
- The boulders >3' found at the surface or above ground will be saved for final reclamation.
- Interim Reclamation (see below):
- Where possible, strip six inches of topsoil from the location as shown on the cut sheet. After the well is converted to an injection well, the topsoil will be spread and re-contoured on the location and immediately seeded with the seed mix below.

Interim Reclamation Seed Mix for location:

Galleta grass	<i>Hilaria jamesii</i>	6 lbs/acre
Western wheatgrass	<i>Pascopyrum smithii</i>	<u>6 lbs/acre</u>
Per Live Seed Total		12 lbs/acre

- The topsoil from the reserve pit should be stripped and piled separately near the reserve pit. When the reserve pit is closed it should be re-contoured, then the area should be seeded in the same manner as the topsoil.
- There shall be no primary or secondary noxious weeds in the seed mixture.
- Once the location is plugged and abandoned contact the Authorized Officer for final reclamation plans.
- The above listed seed mix shall be used to seed all unused portions of the pad including the topsoil and stock piles, and the reserve pits. Re-seeding may be required if the first seeding is not successful.
- The seed shall be drilled or disked into the ground or hand broadcast onto the ground. Planting depth shall not exceed one-half inch using a seed drill. If the seed is hand broadcast then the seed mixture will be doubled and the area raked or chained to cover the seed.

### **DOWNHOLE CONDITIONS OF APPROVAL**

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

#### **SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL**

- None

#### **DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well. Any changes in operation must have prior approval from the BLM, Vernal Field Office Petroleum Engineers.
- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- **Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.**
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- All shows of fresh water and minerals shall be reported and protected. A sample shall be taken of any water flows and a water analysis furnished the BLM, Vernal Field Office. All oil and gas shows shall be adequately tested for commercial possibilities, reported, and protected.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM, Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM, Vernal Field Office shall be obtained and notification given before resumption of operations.
- Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a



weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

- Any change in the program shall be approved by the BLM, Vernal Field Office. "Sundry Notices and Reports on Wells" (Form BLM 3160-5) shall be filed for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.
- Emergency approval may be obtained orally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan pursuant to Onshore Oil & Gas Order No. 1 of 43 CFR 3164.1 and prior approval by the BLM, Vernal Field Office.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.
- A cement bond log (CBL) will be run from the production casing shoe to the surface casing shoe and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease shall have prior written approval from the BLM, Vernal Field Office.
- All measurement points shall be identified as point of sales or allocation for royalty determination prior to the installation of facilities.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM, Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement.

- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM, Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- This APD is approved subject to the requirement that, should the well be successfully completed for production, the BLM, Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location ( $\frac{1}{4}$ , Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and / or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from Field Office Petroleum Engineers.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

## DIVISION OF OIL, GAS AND MINING

### **SPUDDING INFORMATION**

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: S WELLS DRAW FED 16-3-9-16

Api No: 43-013-32969 Lease Type: FEDERAL

Section 03 Township 09S Range 16E County DUCHESNE

Drilling Contractor NDSI RIG # NS#1

### **SPUDDED:**

Date 11/22/06

Time 8:00 AM

How DRY

**Drilling will Commence:** \_\_\_\_\_

Reported by DON BASTIAN

Telephone # (435) 823-6012

Date 11/22/06 Signed CHD

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM - FORM 6

OPERATOR: NEWFIELD PRODUCTION COMPANY  
ADDRESS: RT. 3 BOX 3630  
MEYTON, UT 84052

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QD	SC	TP	RG	COUNTY		
B	9999	13269	43-013-32966	S. WELLS DRAW 9-3-9-16	NE/SE	3	9S	16E	DUCHESNE	11/21/06	11/30/06
WELL 1 COMMENTS: <u>GRUV</u>											
B	9999	13269	43-013-32967	S. WELLS DRAW 10-3-9-16	NW/SE	3	9S	16E	DUCHESNE	11/28/06	11/30/06
WELL 2 COMMENTS: <u>GRUV</u>											
B	9999	13269	43-013-32968	S. WELLS DRAW 15-3-9-16	SW/SE	3	9S	16E	DUCHESNE	11/27/06	11/30/06
WELL 3 COMMENTS: <u>GRUV</u>											
B	9999	13269	43-013-32969	S. WELLS DRAW 16-3-9-16	SE/SE	3	9S	16E	DUCHESNE	11/22/06	11/30/06
WELL 4 COMMENTS: <u>GRUV</u>											
A	99999	15809	43-047-36286	FEDERAL 16-20-8-18	SW/SE	20	8S	18E	UINTAH	11/15/06	11/30/06
WELL 5 COMMENTS: <u>GRUV</u>											
A	99999	15810	43-047-36287	FEDERAL 16-20-8-18	SE/SE	20	8S	18E	UINTAH	11/17/06	11/30/06
WELL 6 COMMENTS: <u>GRUV</u>											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group of wells)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

RECEIVED

NOV 29 2006

DIV. OF OIL, GAS & MINING

*Lana Nebeker*  
Signature

LANA NEBEKER

Production Analyst  
Title

November 1, 2006  
Date

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.

USA UTU-79832

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

S WELLS DRAW UNIT

8. Well Name and No.

SOUTH WELLS DRAW FEDERAL 16-3-9-16

9. API Well No.

4301332969

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630

Myton, UT 84052

3b. Phone (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

689 FSL 663 FEL

SESE Section 3 T9S R16E

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Spud Notice _____
	<input type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 11/22/2006 MIRU NDSI NS # 1. Spud well @ 8:00 AM. Drill 320' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 323.05' / KB On 11/28/2006 cement with 160 sks of class "G" w/ 2% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 1.5 bbls cement to pit. WOC.

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Troy Zufelt

Signature

Title

Drilling Foreman

Date

11/29/2006

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

**RECEIVED**

**DEC 05 2006**

DIV. OF OIL, GAS & MINING

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8 CASING SET AT 323.05

LAST CASING 8 5/8" SET AT 323.05'  
 DATUM 12' KB  
 DATUM TO CUT OFF CASING \_\_\_\_\_  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 320' LOGGER \_\_\_\_\_  
 HOLE SIZE 12 1/4

OPERATOR NewField Production Company  
 WELL SWD Federal 16-3-9-16  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # NDSI NS#1

## LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH	
		Shoe Joint 44.62'						
		WHI - 92 csg head			8rd	A	0.95	
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	311.2	
		GUIDE shoe			8rd	A	0.9	
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			313.05	
TOTAL LENGTH OF STRING		313.05	7	LESS CUT OFF PIECE			2	
LESS NON CSG. ITEMS		1.85		PLUS DATUM TO T/CUT OFF CSG			12	
PLUS FULL JTS. LEFT OUT		0		CASING SET DEPTH			323.05	
TOTAL		311.2	7	} COMPARE				
TOTAL CSG. DEL. (W/O THRDS)		311.2	7					
TIMING		1ST STAGE						
BEGIN RUN CSG.		Spud	11/22/2006	8:00AM	GOOD CIRC THRU JOB			Partial
CSG. IN HOLE			11/22/2006	1:30PM	Bbls CMT CIRC TO SURFACE			1 1/2
BEGIN CIRC			11/28/2006	12:43 PM	RECIPROCATED PIPE FOR			THRU FT STROKE
BEGIN PUMP CMT			11/28/2006	12:57 PM				N/A
BEGIN DSPL. CMT			11/28/2006	1:07 PM	BUMPED PLUG TO			540 PSI
PLUG DOWN			11/28/2006	1:22 PM				
CEMENT USED		CEMENT COMPANY- B. J.						
STAGE	# SX	CEMENT TYPE & ADDITIVES						
1	160	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield						
CENTRALIZER & SCRATCHER PLACEMENT			SHOW MAKE & SPACING					
Centralizers - Middle first, top second & third for 3								

COMPANY REPRESENTATIVE Don Bastian DATE 11/28/2006

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.	USA UTU-79832
6. If Indian, Allottee or Tribe Name.	
7. If Unit or CA/Agreement, Name and/or	S WELLS DRAW UNIT
8. Well Name and No.	SOUTH WELLS DRAW FEDERAL 16-3-9-16
9. API Well No.	4301332969
10. Field and Pool, or Exploratory Area	MONUMENT BUTTE
11. County or Parish, State	DUCHESNE, UT

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	
2. Name of Operator NEWFIELD PRODUCTION COMPANY	
3a. Address Route 3 Box 3630 Myton, UT 84052	3b. Phone (include area code) 435.646.3721
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 689 FSL 663 FEL SESE Section 3 T9S R16E	

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA


TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input checked="" type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Formation water is produced to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY

I hereby certify that the foregoing is true and correct (Printed/ Typed) Mandie Crozier	Title Regulatory Specialist
Signature 	Date 02/20/2007

Approved by _____	Title _____	Date _____
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office _____	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

RECEIVED

FEB 21 2007

DIV. OF OIL, GAS & MINING

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-79832
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: S WELLS DRAW UNIT
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 689 FSL 663 FEL		8. WELL NAME and NUMBER: 16-3-9-16 SOUTH WELLS DRAW FEDERAL
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SESE, 3, T9S, R16E		9. API NUMBER: 4301332969
		10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
		COUNTY: DUCHESNE
		STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will  	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARITLY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: - Weekly Status Report
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  02/27/2007			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well was completed on 02/19/07, attached is the daily completion status report.

NAME (PLEASE PRINT) Jentri Park

TITLE Production Clerk

SIGNATURE

DATE 02/27/2007

(This space for State use only)

RECEIVED  
MAR 01 2007

DIV. OF OIL, GAS & MINING



## Daily Activity Report

Format For Sundry

**S WELLS DRW 16-3-9-16**

**12/1/2006 To 4/28/2007**

**1/30/2007 Day: 1**

**Completion**

Rigless on 1/29/2007 - Install 5M frac head. NU Cameron BOP. RU H/O truck & pressure test casing, frac head, blind rams & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 6081' & cement top @ 220'. Perforate stage #1 W/ 4" ported gun as follows: CP5 sds @ 5954-5974' W/ 4 JSPF for total of 80 shots. RD WLT. SIFN W/ est 139 BWTR.

**2/10/2007 Day: 2**

**Completion**

Rigless on 2/9/2007 - RU BJ Services. 80 psi on well. Frac CP5 sds w/ 100,611#'s of 20/40 sand in 735 bbls of Lightning 17 fluid. Broke @ 3125 psi. Treated w/ ave pressure of 1756 psi @ ave rate of 24.8 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. ISIP 2030 psi. Leave pressure on well. 874 BWTR. RU Lone Wolf WLT, crane & lubricator. RIH w/ 5-1/2" Weatherford composite flow through plug & 8' perf gun. Set plug @ 5350'. Perforate A1 sds @ 5247- 55' w/ 3-1/8" Slick Guns (23 gram, .43"HE, 90°) w/ 4 SPF for total of 32 shots. RU BJ Services. 1602 psi on well. Frac A1 sds w/ 41,752#'s of 20/40 sand in 417 bbls of Lightning 17 fluid. Broke @ 2076 psi. Treated w/ ave pressure of 2017 psi @ ave rate of 24.5 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. ISIP 2190 psi. RU Lone Wolf WLT, crane & lubricator. RIH w/ 5-1/2" Weatherford composite flow through plug & 7' perf gun. Set plug @ 5190'. Perforate B2 sds @ 5087- 94' w/ 3-1/8" Slick Guns (23 gram, .43"HE, 90°) w/ 4 SPF for total of 28 shots. SIWFN w/ 1291 BWTR.

**2/13/2007 Day: 3**

**Completion**

Rigless on 2/12/2007 - RU BJ Services. 1392 psi on well. Frac B2 sds w/ 14,997#'s of 20/40 sand in 265 bbls of Lightning 17 fluid. Broke @ 4162 psi. Treated w/ ave pressure of 2933 psi @ ave rate of 24 BPM. Pumped 504 gals of 15% HCL in flush for Stage #4. ISIP 1880 psi. Leave pressure on well. 1556 BWTR. RU Lone Wolf WLT, crane & lubricator. RIH w/ 5-1/2" Weatherford composite flow through plug & 8' perf gun. Set plug @ 5045'. Perforate C sds @ 4957- 66' w/ 3-1/8" Slick Guns (23 gram, .43"HE, 90°) w/ 4 SPF for total of 36 shots. RU BJ Service. 1727 psi on well. Broke @ 2414 psi. Frac C sds w/ 18,286#'s (1100#'s in perms) of 20/40 sand in 213 bbls of Lightning 17 fluid. Screened out due to high visc (13.4 up to 45). Begin immediate flowback of well. Flowed for 3 1/2 hrs. Rec est'd 210 BW. RU BJ services. Pumped 3 bbls of 15% HCL. Refrac C sds w/ 19,867#'s of 20/40 sand in 392 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2783 psi @ ave rate of 20 BPM. Pumped 504 gals of 15% HCL in flush for Stage #5. ISIP 2180 psi. RU Lone Wolf WLT, crane & lubricator. RIH w/ 5-1/2" Weatherford composite flow through plug, 5' & 5' perf gun. Set plug @ 4910'. Perforate D2 sds @ 4847- 52', D1 sds @ 4804- 09' w/ 3-1/8" Slick Guns (23 gram, .43"HE, 90°) w/ 4 SPF for total of 40 shots. Leave pressure on well. 1951 BWTR.

**2/14/2007 Day: 4**

**Completion**

Rigless on 2/13/2007 - RU BJ Service. 1569 psi on well. Frac D1 & D2 sds w/ 25,870#'s of 20/40 sand in 317 bbls of Lightning 17 fluid. Broke @ 2567 psi. Treated w/ ave pressure of 1944 psi @ ave rate of 24.5 BPM. Pumped 504 gals of 15% HCL in flush for Stage #6. ISIP 2136 psi. Leave pressure on well. 2268 BWTR. RU Lone

Wolf WLT, crane & lubricator. RIH w/ 5-1/2" Weatherford composite flow through plug & 9' perf gun. Set plug @ 4400'. Perforate GB6 sds @ 4299- 4308' w/ 3-1/8" Slick Guns (23 gram, .43" HE, 90°) w/ 4 SPF for total of 36 shots. RU BJ Service. 1885 psi on well. Pressured up to 4200 psi, Would not breakdown. RU Lone Wolf WL & dump bail acid. RU BJ Services. 1755 psi on well. Frac GB6 sds w/ 39,233 #'s of 20/40 sand in 357 bbls of Lightning 17 fluid. Broke @ 3258 psi. Treated w/ ave pressure of 2540 psi @ ave rate of 25 BPM (Shut down 2 times during job due to lose of suction to blender). ISIP 1973 psi. Begin immediate flowback on 12/64 choke @ 1 BPM. Flowed for 9 hrs & died. Rec. 513 BTF. Heavy gas flow when well was shut in. SIWFN w/ 2112 BWTR.

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2/15/2007 Day: 5

Completion

Western #3 on 2/14/2007 - MIRU Western #3. 1050 psi on well. Open up well to pit, Flowed gas & oil. RU to flat tank. Flowed 40 bbls of oil to flat tank. No pressure lose on well. RU Zubiate hot oil & bullhead 15 bbls of wtr down csg. RU Lone Wolf WLT & lubricator. RIH w/ 5-1/2" Weatherford composite solid plug. Set plug @ 4275'. RD Lone Wolf WL. ND Cameron BOP & 5M WH. NU 3M WH & Schaffer BOP. Talley, PU & RIH w/ 4 3/4" bit, Bit sub & 51 jts of New 2 7/8 J-55 tbg. EOT @ 1579'. RU pump & lines. Circulate well clean. Rec 16 bbls of oil. Lost a total of 25 BW. SIWFN w/ 2072 BWTR.

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2/16/2007 Day: 6

Completion

Western #3 on 2/15/2007 - Con't PU & TIH W/ bit & tbg f/ 1579'. Tag kill plug @ 4272'. RU power swivel. Drill out plug in 30 minutes. Well flowing fairly strong. Filled flat tank W/ oil. Switch returns into production tks. Con't to C/O sd & drill out composite bridge plugs as follows: no sd, plug @ 4400' in 45 minutes; no sd, plug @ 4910' in 27 minutes; no sd, plug @ 5045' in 32 minutes. Circ hole clean & SIFN W/ EOT @ 5055'. Rec est 145 BO & 175 BW today. Est 1897 BWTR.

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2/17/2007 Day: 7

Completion

Western #3 on 2/16/2007 - Bleed well off to production tks--stays flowing. RU & pump 30 BW dn tbg--leave casing flowing. Con't PU & TIH W/ bit and tbg f/ 5055'. Tag plug @ 5190'. PU swivel. Drill out plug in 25 minutes. Swivel in hole to plug @ 5350'. Drill out plug in 25 minutes. Swivel in hole and tag fill @ 5965'. Drill plug remains & sd to PBTD @ 6113'. Circ hole W/ clean wtr. Well flowing slowly. RD swivel. Pull EOT to 6048'. RU swab equipment. Made 3 runs & well started flowing fairly steady (gas spurts & good oil cut). RU adjustable choke to tbg and tie into flowline. Open well to production tks @ 5:30 PM. Est 1767 BWTR. \*\*Recovered est 130 BW & 100 BO during cleanout & swabbing\*\*

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2/20/2007 Day: 8

Completion

Western #3 on 2/19/2007 - Well flowed est 336 BO & 77 BW since Friday. Open choke & bleed well down. RU & pump 30 BW dn tbg--let casing flow. TIH W/ tbg f/ 6048'. Tag sd @ 6110' (3' new fill). C/O sd to PBTD @ 6113'. Circ hole clean. Rec add'l 66 BO. Lost 80 BW. Well laying static. LD excess tbg. TOH W/ tbg--LD bit. TIH W/ BHA & production tbg as follows: 2 7/8 NC, 1 jt tbg, SN, 1 jt tbg, new CDI 5 1/2" TA (45K) & 188 jts 2 7/8 8rd 6.5# J-55 tbg. ND BOP. Set TA @ 5946' W/ SN @ 5980' & EOT @ 6013'. Land tbg W/ 16,000# tension. NU wellhead. PU & TIH W/ pump and "A" grade rod string as follows: new CDI 2 1/2" X 1 1/2" X 14' RHAC pump, 6-1 1/2" weight rods, 10-3/4" scraped rods, 123-3/4" plain rods, 99-3/4" scraped rods, 1-8', 1-4' & 1-2' X 3/4" pony rods and 1 1/2" X 22' polished rod. Seat pump & RU pumping unit. W/ tbg full, pressure test tbg & pump to 200 psi. Stroke pump up

**W/ unit to 800 psi. Good pump action. RDMOSU. Est 1800 BWTR. Place well on production @ 6:00 PM 2/19/2007 W/ 86" SL @ 5 SPM. FINAL REPORT!!**

---

**Pertinent Files: Go to File List**

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG\***

**1a. TYPE OF WORK**

OIL WELL ☒ GAS WELL ☐ DRY ☐ Other \_\_\_\_\_

**1b. TYPE OF WELL**

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR. ☐ Other \_\_\_\_\_

**2. NAME OF OPERATOR**

Newfield Exploration Company

**3. ADDRESS AND TELEPHONE NO.**

1401 17th St. Suite 1000 Denver, CO 80202

**4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)\***

At Surface 689' FSL & 663' FEL (SE/SE) Sec. 3, T9S, R16E  
At top prod. Interval reported below

**At total depth**

14. API NO. 43-013-32969 DATE ISSUED 12/05/05

**5. LEASE DESIGNATION AND SERIAL NO.**

UTU-79832

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME**

NA

**7. UNIT AGREEMENT NAME**

So. Wells Draw

**8. FARM OR LEASE NAME, WELL NO.**

So. Wells Draw 16-3-9-16

**9. WELL NO.**

43-013-32969

**10. FIELD AND POOL OR WILDCAT**

Monument Butte

**11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA**

Sec. 3, T9S, R16E

**12. COUNTY OR PARISH**

Duchesne

**13. STATE**

UT

15. DATE SPUNDED  
11/22/06

16. DATE T.D. REACHED  
1/16/07

17. DATE COMPL. (Ready to prod.)  
02/19/07

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*  
5592' GL 5604' KB

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

6140'

21. PLUG BACK T.D., MD & TVD

6113'

22. IF MULTIPLE COMPL., HOW MANY\*

23. INTERVALS DRILLED BY  
----->

ROTARY TOOLS

X

CABLE TOOLS

**24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)\***

Green River 4499'-5974'

25. WAS DIRECTIONAL SURVEY MADE

No

**26. TYPE ELECTRIC AND OTHER LOGS RUN**

Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log

27. WAS WELL CORED

No

**23. CASING RECORD (Report all strings set in well)**

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" - J-55	24#	323'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	6135'	7-7/8"	350 sx Premite II and 450 sx 50/50 Poz	

**29. LINER RECORD**

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

**30. TUBING RECORD**

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	EOT @ 6013'	TA @ 5946'

**31. PERFORATION RECORD (Interval, size and number)**

INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(CP5) 5954'-5974'	.46"	4/80	5954'-5974'	Frac w/ 100,611# 20/40 sand in 735 bbls fluid
(A1) 5247'-5255'	.43"	4/32	5247'-5255'	Frac w/ 41,752# 20/40 sand in 417 bbls fluid
(B2) 5087'-5094'	.43"	4/28	5087'-5094'	Frac w/ 14,997# 20/40 sand in 265 bbls fluid
(C) 4957'-4966'	.43"	4/36	4957'-4966'	Frac w. 19,867# 20/40 sand in 392 bbls fluid
(D2) 4847'-4852', 4804'-4809'	.43"	4/40	4804'-4852'	Frac w/ 25,870# 20/40 sand in 317 bbls fluid
(GB6) 4299'-4308'	.43"	4/36	4299'-4308'	Frac w/ 39,233# 20/40 sand in 357 bbls fluid

**33.\* PRODUCTION**

DATE FIRST PRODUCTION 02/19/07	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) 2-1/2" x 1-1/2" x 14' RHAC SM Plunger Pump				WELL STATUS (Producing or shut-in) PRODUCING
DATE OF TEST 10 day ave	HOURS TESTED	CHOKE SIZE	PROD. FOR TEST PERIOD ----->	OIL--BBL. 88	GAS--MCF. 56
					WATER--BBL. 22
					GAS-OIL RATIO 636
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE ----->	OIL--BBL.	GAS--MCF.	WATER--BBL.
					OIL GRAVITY-API (CORR.)

**RECEIVED**

**34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)**

Sold & Used for Fuel

**MAR 22 2007**

TEST WITNESSED BY

**35. LIST OF ATTACHMENTS**

DIV. OF OIL, GAS & MINING

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Jentri Park

TITLE

Production Clerk

DATE

3/19/2007

JP

\*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			Well Name So. Wells Draw 16-3-9-16	Garden Gulch Mkr	3755'	
				Garden Gulch 1	3965'	
				Garden Gulch 2	4079'	
				Point 3 Mkr	4343'	
				X Mkr	4606'	
				Y-Mkr	4640'	
				Douglas Creek Mkr	4759'	
				BiCarbonate Mkr	5004'	
				B Limestone Mkr	5131'	
				Castle Peak	5616'	
				Basal Carbonate	6054'	
				Total Depth (LOGGERS)	6161'	



March 26, 2010

Mr. Dan Jarvis  
State of Utah  
Division of Oil, Gas and Mining  
Post Office Box 145801  
Salt Lake City, Utah 84114-5801

RE: Permit Application for Water Injection Well  
South Wells Draw Federal #16-3-9-16  
Monument Butte Field, Lease #UTU-79832  
Section 3-Township 9S-Range 16E  
Duchesne County, Utah

Dear Mr. Jarvis:

Newfield Production Company herein requests approval to convert the South Wells Draw Federal #16-3-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field.

I hope you find this application complete; however, if you have any questions or require additional information, please contact me at (303) 893-0102.

Sincerely,

A handwritten signature in black ink, appearing to read "Eric Sundberg", with a long horizontal line extending to the right.

Eric Sundberg  
Regulatory Analyst

**RECEIVED**  
**APR 14 2010**  
DIV. OF OIL, GAS & MINING

**NEWFIELD PRODUCTION COMPANY**  
**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**  
**SOUTH WELLS DRAW FEDERAL #16-3-9-16**  
**MONUMENT BUTTE FIELD (GREEN RIVER) FIELD**  
**LEASE #UTU-79832**  
**MARCH 26, 2010**

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...

Comments:

# South Wells Draw Federal #16-3-9-16

Spud Date: 11-22-06  
Put on Production: 2-19-07  
GL: 5592' KB: 5604'

## SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (311.20')  
DEPTH LANDED: 323.05' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 1.5 bbls cmt to surf.  
Cement top @ 220'  
Casing shoe @ 323'

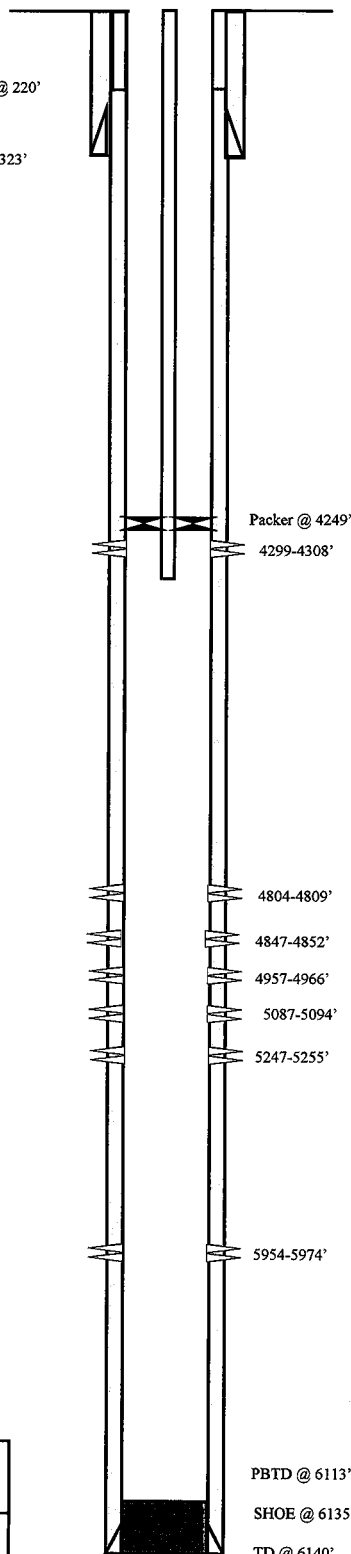
## PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 139 jts. (6121.81')  
DEPTH LANDED: 6135.06' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 350 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
CEMENT TOP AT: 220'

## TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 188 jts (5933.94')  
TUBING ANCHOR: 5945.94' KB  
NO. OF JOINTS: 1 jts (31.50')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5980.24' KB  
NO. OF JOINTS: 1 jts (31.57')  
TOTAL STRING LENGTH: EOT @ 6013.36' KB

## Proposed Injection Wellbore Diagram



Initial Production: BOPD,  
MCFD, BWPD

## FRAC JOB

02-09-07	5954-5974'	<b>Frac CP5 sands as follows:</b> 100611# 20/40 sand in 735 bbls Lightning 17 frac fluid. Treated @ avg press of 1756 psi w/avg rate of 24.8 BPM. ISIP 2030 psi. Calc flush: 5952 gal. Actual flush: 5418 gal.
02-09-07	5247-5255'	<b>Frac A1 sands as follows:</b> 41752# 20/40 sand in 417 bbls Lightning 17 frac fluid. Treated @ avg press of 2017 psi w/avg rate of 24.5 BPM. ISIP 2190 psi. Calc flush: 5245 gal. Actual flush: 4746 gal.
02-12-07	5087-5094'	<b>Frac B2 sands as follows:</b> 14997# 20/40 sand in 265 bbls Lightning 17 frac fluid. Treated @ avg press of 2933 psi w/avg rate of 24 BPM. ISIP 1880 psi. Calc flush: 5085 gal. Actual flush: 4582 gal.
02-12-07	4957-4966'	<b>Frac C sands as follows:</b> 38153# 20/40 sand in 605 bbls Lightning 17 frac fluid. Treated @ avg press of 2783 w/ avg rate of 20 BPM. ISIP 2180 psi. Calc flush: 4955 gal. Actual flush: 4456 gal.
02-13-07	4804-4852'	<b>Frac D1, &amp; D2 sands as follows:</b> 25870# 20/40 sand in 317 bbls Lightning 17 frac fluid. Treated @ avg press of 1944 w/ avg rate of 24.5 BPM. ISIP 2136 psi. Calc flush: 4802 gal. Actual flush: 4284 gal.
02-13-07	4299-4308'	<b>Frac GB6 sands as follows:</b> 39233# 20/40 sand in 357 bbls Lightning 17 frac fluid. Treated @ avg press of 2540 w/ avg rate of 25 BPM. ISIP 1973 psi. Calc flush: 4297 gal. Actual flush: 4200 gal.

## PERFORATION RECORD

01-29-07	5954-5974'	4 JSPF	80 holes
02-09-07	5247-5255'	4 JSPF	32 holes
02-09-07	5087-5094'	4 JSPF	28 holes
02-12-07	4957-4966'	4 JSPF	36 holes
02-12-07	4847-4852'	4 JSPF	20 holes
02-12-07	4804-4809'	4 JSPF	20 holes
02-13-07	4299-4308'	4 JSPF	36 holes

**NEWFIELD**

**South Wells Draw Federal #16-3-9-16**

689' FSL & 663' FEL

SE/SE Section 3-T9S-R16E

Duchesne Co, Utah

API # 43-013-32969; Lease # UTU-79832

## **WORK PROCEDURE FOR INJECTION CONVERSION**

1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.
2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.
3. Test casing and packer.
4. Rig down and move out.

**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS  
RULE R615-5-1**

- 1. Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**
- 2. A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**
  - 2.1 The name and address of the operator of the project.**

Newfield Production Company  
1001 17<sup>th</sup> Street, Suite 2000  
Denver, Colorado 80202
  - 2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.**

See Attachment A.
  - 2.3 A full description of the particular operation for approval is requested.**

Approval is requested to convert the South Wells Draw Federal #16-3-9-16 from a producing oil well to a water injection well in Monument Butte (Green River) Field.
  - 2.4 A description of the pools from which the identified wells are producing or have produced.**

The proposed injection well will inject into the Green River Formation.
  - 2.5 The names, description and depth of the pool or pools to be affected.**

The injection zone is in the Green River Formation. For the South Wells Draw Federal #16-3-9-16 well, the proposed injection zone is from Garden Gulch to TD (4076' - 6140'). The confining strata directly above and below the injection zones are the Garden Gulch and the top of the Wasatch Formation or TD, which ever is shallower. The Garden Gulch Marker top is at 3751' and the TD is at 6140'.
  - 2.6 A copy of a log of a representative well completed in the pool.**

The referenced log for the South Wells Draw Federal #16-3-9-16 is on file with the Utah Division of Oil, Gas and Mining.

- 2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

- 2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.**

See Attachment B.

- 2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.**

See Attachment C.

- 2.10 Any additional information the Board may determine is necessary to adequately review the petition.**

Newfield Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

- 4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.**

This proposed injection well is on a Federal lease (Lease #UTU-79832) in the Monument Butte Federal (Green River) Field, and this request is for administrative approval.

**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL,  
STORAGE AND ENHANCED RECOVERY WELLS  
SECTION V – RULE R615-5-2**

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**
  - 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

See Attachments A and B.
  - 2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.**

All logs are on file with the Utah Division of Oil, Gas and Mining.
  - 2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.
  - 2.4 Copies of logs already on file with the Division should be referenced, but need not be refiled.**

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.
  - 2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

The casing program is 8-5/8", 24# surface casing run to 323' KB, and 5-1/2", 15.5# casing run from surface to 6135' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.
  - 2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.
  - 2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

See Attachment F.

**The proposed average and maximum injection pressures.**

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1847 psig.

- 2.8 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.**

The minimum fracture gradient for the South Wells Draw Federal #16-3-9-16, for existing perforations (4299' – 5974') calculates at 0.80 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 1847 psig. We may add additional perforations between 3751' and 6140'. See Attachments G and G-1.

- 2.9 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.**

In the South Wells Draw Federal #16-3-9-16, the proposed injection zone (4076' - 6140') is in the Garden Gulch to Basal Carbonate of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

- 2.10 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.**

See Attachments E through E-12.

Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

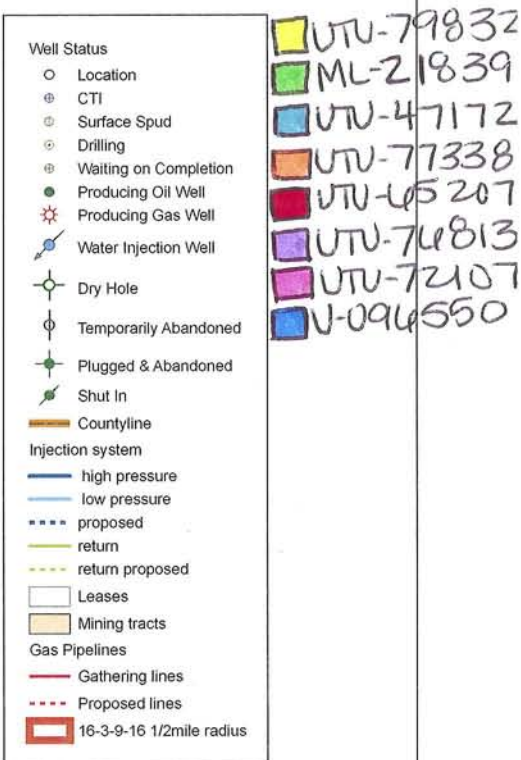
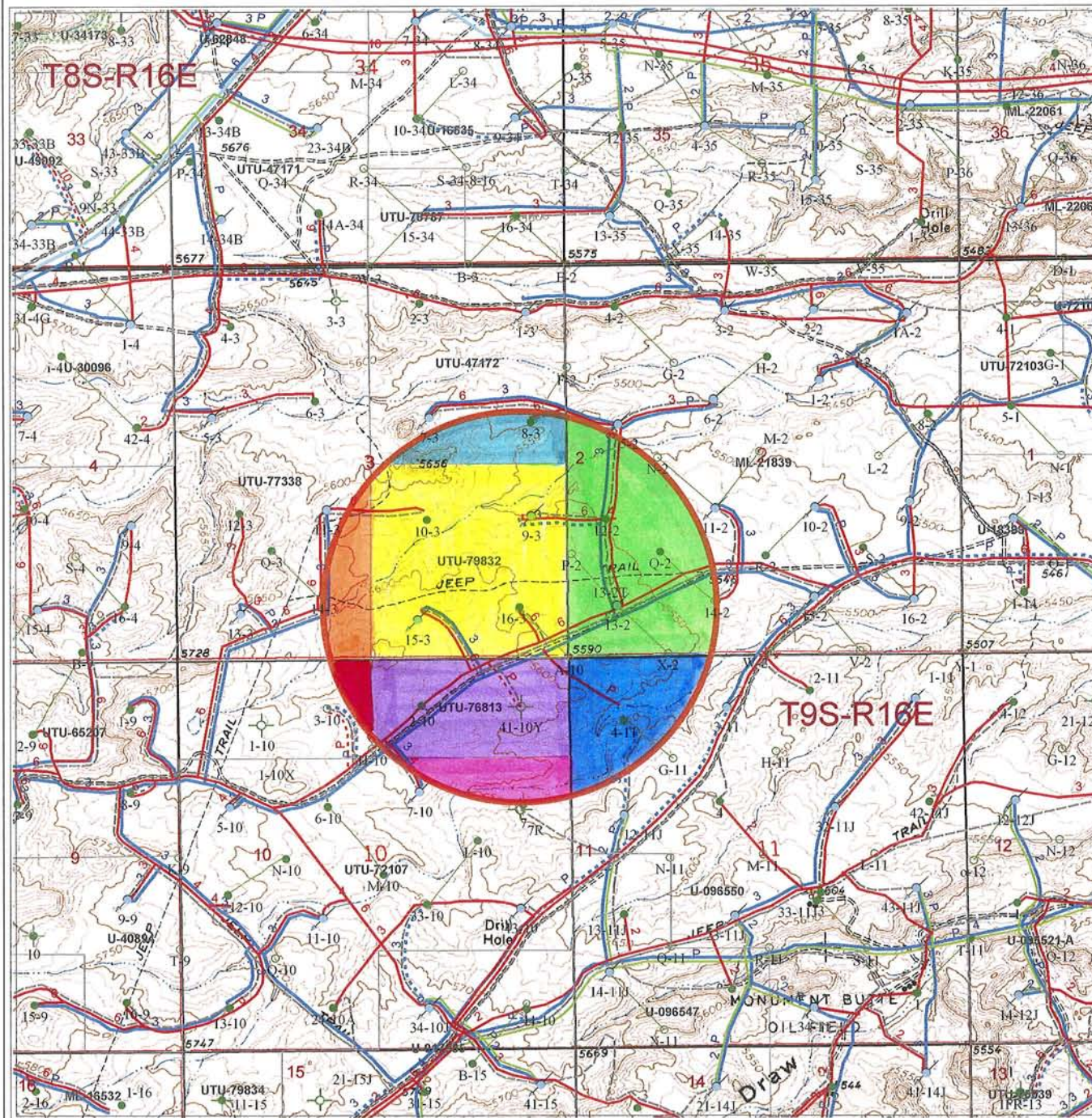
- 2.11 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.**

See Attachment C.

- 2.12 Any other information that the Board or Division may determine is necessary to adequately review the application.**


Newfield Production Company will supply any requested information to the Board or Division.





Attachment A

S Wells Draw Fed 16-3-9-16  
Section 3, T9S-R16E



**NEWFIELD**  
ROCKY MOUNTAINS

1" = 2000'

**1/2 Mile Radius Map**  
Duchesne & Uintah Counties

1001 17th Street Suite 2000  
Denver, Colorado 80202  
Phone: (303) 893-0102

December 21, 2009

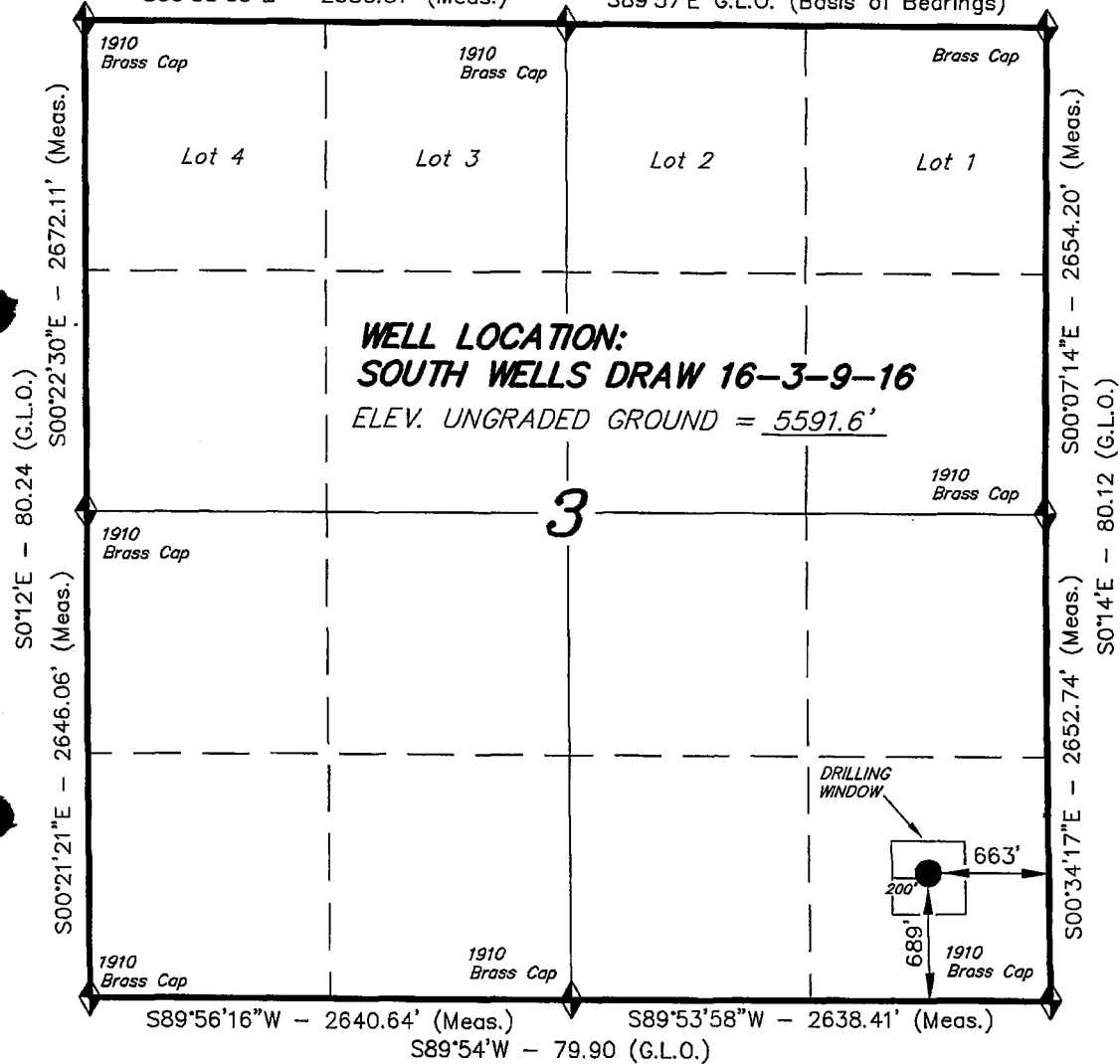


*T9S, R16E, S.L.B.&M.*

S89°57'E (G.L.O.) 2644.40' (Measured)

S89°58'06"E - 2636.51' (Meas.)      S89°57'E G.L.O. (Basis of Bearings)

S89°57'E G.L.O. (Basis of Bearings)

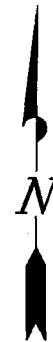


 = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

*NEWFIELD PRODUCTION COMPANY*

WELL LOCATION, SOUTH WELLS DRAW  
16-3-9-16, LOCATED AS SHOWN IN THE  
SE 1/4 SE 1/4 OF SECTION 3, T9S,  
R16E, S.L.B.&M. DUCHESNE COUNTY,  
UTAH.



Attachment A-1

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF. No. 189377

STACY W.

REGISTERED LAND SURVEYOR  
REGISTRATION No. 980737  
STATE OF UTAH

**TRI STATE LAND SURVEYING & CONSULTING**

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

SCALE: 1" = 1000'

SURVEYED BY: C.M.

DATE: 11-1-05

DRAWN BY: F.T.M.

NOTES:

FILE #

## EXHIBIT B

Page 1

8/3

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
1.	<u>Township 9 South, Range 16 East</u> Section 3: SE Section 4: SESW	UTU-79832 HBP	Newfield Production Company 1001 17 <sup>th</sup> St. Suite 2000 Denver, CO 80202 Yates Petroleum Corporation 105 South 4 <sup>th</sup> Street Artesia, NM 88210	(Surface Rights) USA
2.	<u>Township 9 South, Range 16 East</u> Section 2: Lots 1-4, S2N2, S2	ML-21839 HBP	Newfield Production Company 1001 17 <sup>th</sup> St. Suite 2000 Denver, CO 80202 Davis Bros LLC Davis Resources 110 West 7 <sup>th</sup> St. Suite 1000 Tulsa, OK 74119 AGK Energy LLC. 624 Wellesley Houston, TX 77024 Raymond H. Brennan 104 Lee Lane Bellville, TX 77418 Marian Brennan 104 Lee Lane Bellville, TX 77418 Deer Valley Ltd. 800 Bering Drive #305 Houston TX 77057 International Drilling Inc 7710-T Cherry Park PMB 503 Houston, TX 77095	(Surface Rights) STATE

## EXHIBIT B

Page 2

063

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
			Thomas I Jackson 7710-T Cherry Park PMB 503 Houston, TX 77095 Beverly Sommer 1025 Crescent Drive Beverly Hills, CA 90210 Texas General Offshore 7710-T Cherry Park PMB 503 Houston, TX 77095 Jasper Warren 17350 State Highway 249 Suite 140 Houston, TX 77064-1140	
3.	<u>Township 9 South, Range 16 East</u> Section 3: Lots 1, 2, S2NE	UTU-47172 HBP	Newfield Production Company 1001 17 <sup>th</sup> St. Suite 2000 Denver, CO 80202	(Surface Rights) USA
4.	<u>Township 9 South, Range 16 East</u> Section 3: Lots 3, 4, S2NW, S2W Section 4: NESW, SE	UTU-77338 HBP	Newfield Production Company 1001 17 <sup>th</sup> St. Suite 2000 Denver, CO 80202	(Surface Rights) USA
5.	<u>Township 9 South, Range 16 East</u> Section 9: NE, NENW Section 10: N2NW	UTU-65207 HBP	Newfield Production Company 1001 17 <sup>th</sup> St. Suite 2000 Denver, CO 80202	(Surface Rights) USA

## EXHIBIT B

Page 3 of 3


#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
			Yates Petroleum Corporation Yates Drilling Company Myco Industries Inc ABO Petroleum Corporation 105 S. Fourth St. Artesia, NM 88210	
6.	<u>Township 9 South, Range 16 East</u> Section 10: N2NE	UTU-76813 HBP	Newfield Production Company 1001 17 <sup>th</sup> St. Suite 2000 Denver, CO 80202 Yates Petroleum Corporation Yates Drilling Company Myco Industries Inc ABO Petroleum Corporation 105 S. Fourth St. Artesia, NM 88210	(Surface Rights) USA
7.	<u>Township 9 South, Range 16 East</u> Section 10: S2N2, N2S2, S2SW	U-72107 HBP	Newfield Production Company 1001 17 <sup>th</sup> St. Suite 2000 Denver, CO 80202	(Surface Rights) USA
8.	<u>Township 9 South, Range 16 East</u> Section 11: E2, NW, NESW Section 12: NW Section 14: N2NE, SENE, NESE	U-096550 HBP	Newfield Production Company 1001 17 <sup>th</sup> St. Suite 2000 Denver, CO 80202	(Surface Rights) USA

ATTACHMENT C


CERTIFICATION FOR SURFACE OWNER NOTIFICATION

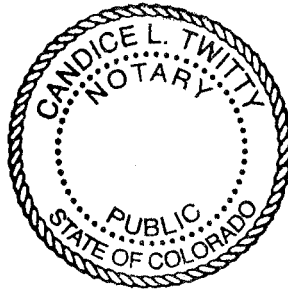
RE: Application for Approval of Class II Injection Well  
South Wells Draw Federal #16-3-9-16

I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed:   
Newfield Production Company  
Eric Sundberg  
Regulatory Analyst

Sworn to and subscribed before me this 29<sup>th</sup> day of March, 2010.

Notary Public in and for the State of Colorado:   
My Commission Expires 02/10/2013  
My Commission Expires: \_\_\_\_\_



## South Wells Draw Federal #16-3-9-16

Spud Date: 11-22-06  
Put on Production: 2-19-07  
GL: 5592' KB: 5604'

**SURFACE CASING**

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
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DEPTH LANDED: 323.05' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 1.5 bbls cmt to surf.

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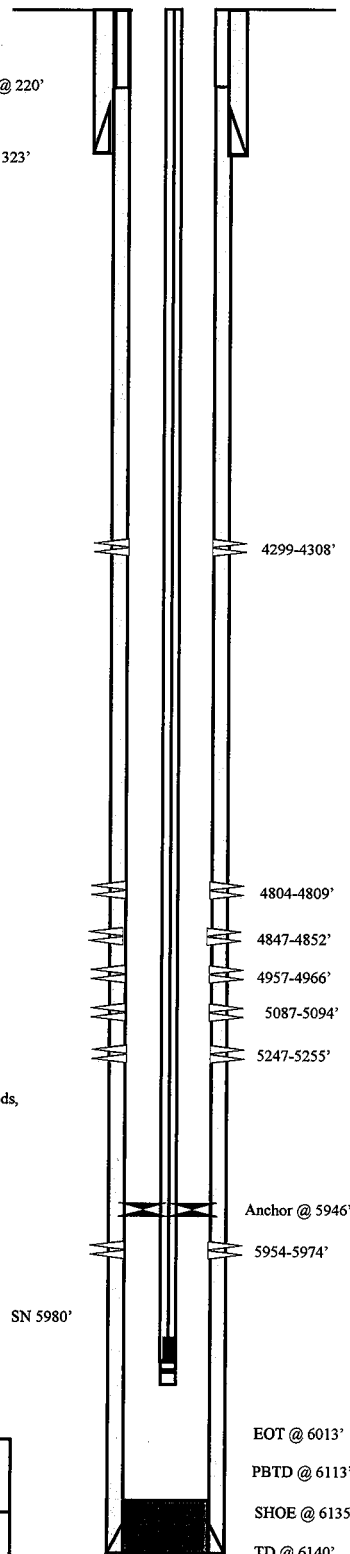
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HOLE SIZE: 7-7/8"  
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CEMENT TOP AT: 220'

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SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 188 jts (5933.94')  
TUBING ANCHOR: 5945.94' KB  
NO. OF JOINTS: 1 jts (31.50')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5980.24' KB  
NO. OF JOINTS: 1 jts (31.57')  
TOTAL STRING LENGTH: EOT @ 6013.36' KB

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' SM  
SUCKER RODS: 1-8', 1-4' & 1-2' x 3/4" pony rods, 99- 3/4" scraped rods, 123- 3/4" plain rods, 10- 3/4" scraped rods, 6- 1 1/2" weight rods.  
PUMP SIZE: 2-1/2" x 1-1/2" x 14' RHAC w/SM plunger  
STROKE LENGTH: 86"  
PUMP SPEED, SPM: 5 SPM

**Wellbore Diagram**

Initial Production: BOPD,  
MCFD, BWPD

**FRAC JOB**

02-09-07 5954-5974' **Frac CP5 sands as follows:**  
100611# 20/40 sand in 735 bbls Lightning 17 frac fluid. Treated @ avg press of 1756 psi w/avg rate of 24.8 BPM. ISIP 2030 psi. Calc flush: 5952 gal. Actual flush: 5418 gal.

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**PERFORATION RECORD**

Date	Interval	Tool	Holes
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02-12-07	4847-4852'	4 JSPF	20 holes
02-12-07	4804-4809'	4 JSPF	20 holes
02-13-07	4299-4308'	4 JSPF	36 holes

**NEWFIELD****South Wells Draw Federal #16-3-9-16**

689' FSL &amp; 663' FEL

SE/SE Section 3-T9S-R16E

Duchesne Co, Utah

API # 43-013-32969; Lease # UTU-79832



## SOUTH WELLS DRAW FEDERAL 8-3-9-16

Spud Date: 02/20/07  
Put on Production: 06/15/07  
GL: 5538' KB: 5550'

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (311.37')  
DEPTH LANDED: 323.54' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 140 jts. (6140.18')  
DEPTH LANDED: 6153.43' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
CEMENT TOP: 68'

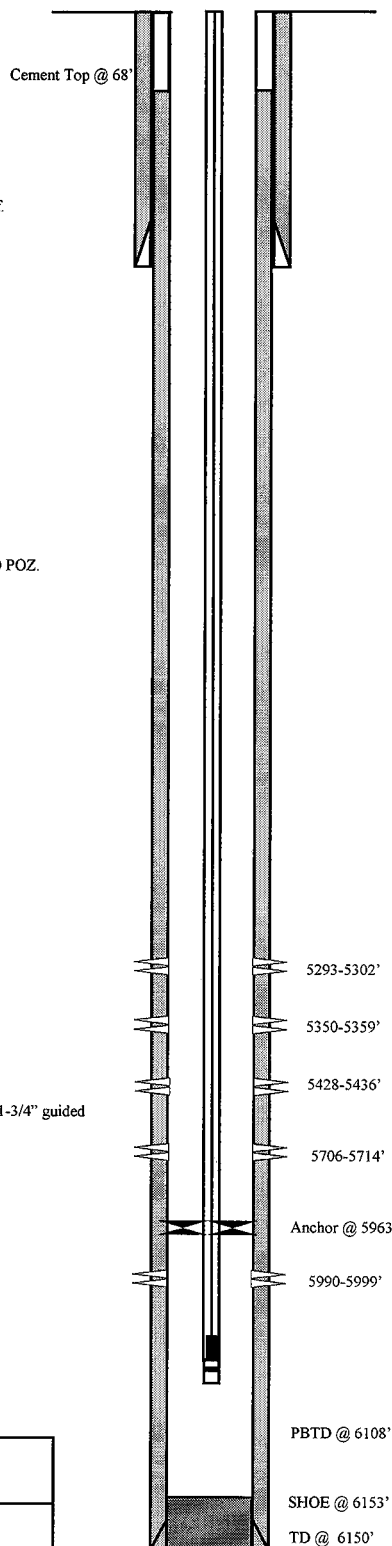
### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55  
NO. OF JOINTS: 190 jts (5950.83')  
TUBING ANCHOR: 5962.83' KB  
NO. OF JOINTS: 1 jts (31.48')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5997.11' KB  
NO. OF JOINTS: 1 jts (29.24')  
TOTAL STRING LENGTH: EOT @ 6027.90' KB

### SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM polished rods  
SUCKER RODS: 101-3/4" guided rods, 84-3/4" sucker rods, 51-3/4" guided rods, 6-1 1/2" weight bars.  
PUMP SIZE: CDI 2-1/2" x 1-1/2" x 10'x 14' RHAC.  
STROKE LENGTH: 86"  
PUMP SPEED, 4 SPM:

### Wellbore Diagram




Initial Production: BOPD,  
MCFD, BWPD

### FRAC JOB

06/08/07	5990-5999'	<b>Frac CP5 sands as follows:</b> 19879# 20/40 sand in 326 bbls Lightning 17 frac fluid. Treated @ avg press of 2175 psi w/avg rate of 25.1 BPM. ISIP 1925 psi. Calc flush: 5988 gal. Actual flush: 5544 gal.
06/08/07	5706-5714'	<b>Frac CP2 sands as follows:</b> 14981# 20/40 sand in 283 bbls Lightning 17 frac fluid. Treated @ avg press of 1831 psi w/avg rate of 25.1 BPM. ISIP 1650 psi. Calc flush: 5704 gal. Actual flush: 5250 gal.
06/08/07	5428-5436'	<b>Frac LODC sands as follows:</b> 40824# 20/40 sand in 321 bbls Lightning 17 frac fluid. Treated @ avg press of 2753 psi w/avg rate of 24.7 BPM. Screened out frac w/19,500#s in casing w/ 21,324#s in perfs w/ 6.5# sand on perfs w/ 84 bbls short on flush
06/13/07	5293-5302'	<b>Frac A3 sands as follows:</b> 50714# 20/40 sand in 446 bbls Lightning 17 frac fluid. Treated @ avg press of 2246 psi w/avg rate of 24.9 BPM. ISIP 2146 psi. Calc flush: 5291 gal. Actual flush: 5292 gal
7/29/08		Tubing Leak. Updated rod & tubing details.
9/10/09		Parted rods. Updated rod & tubing details.

### PERFORATION RECORD

06/08/07	5990-5999'	4 JSPF	36 holes
06/08/07	5706-5714'	4 JSPF	32 holes
06/08/07	5428-5436'	4 JSPF	20 holes
06/08/07	5350-5359'	4 JSPF	36 holes (shot by mistake)
06/13/07	5293-5302'	4 JSPF	36 holes


<b>South Wells Draw Federal 8-3-9-16</b> 2127'FNL & 492' FEL SE/NE Section 3-T9S-R16E Duchesne Co, Utah API #43-013-32965; Lease # UTU-47172

## South Wells Draw 10-3-9-16

Spud Date: 11-28-06  
Put on Production: 03-05-07

GL: 5574' KB: 5586'

**SURFACE CASING**

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (308.12')  
DEPTH LANDED: 319.97' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 2 bbls cmt to surf.

**PRODUCTION CASING**

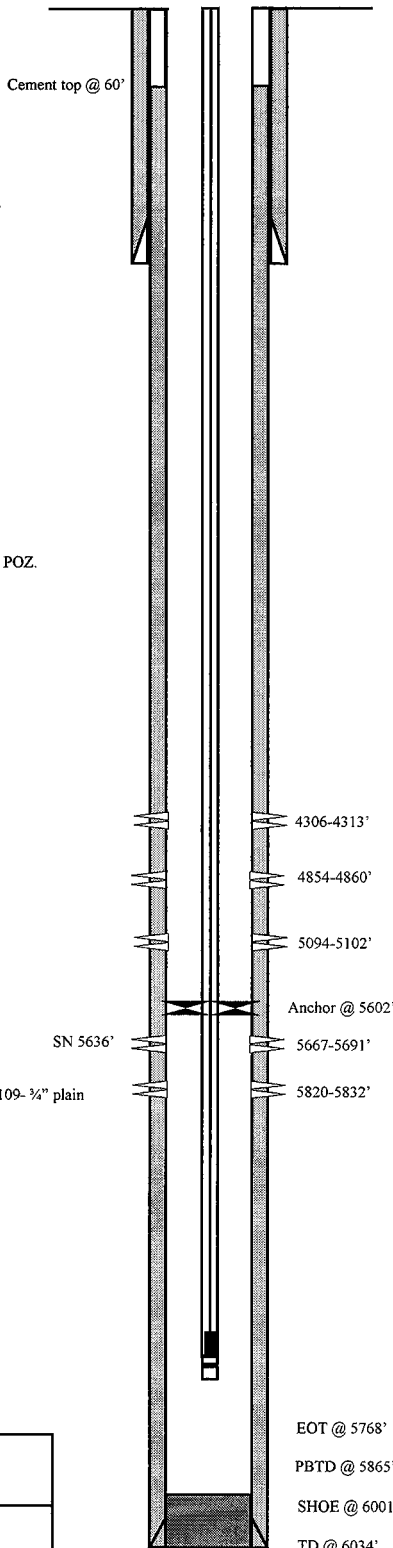
CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 133 jts. (5981.80')  
DEPTH LANDED: 6001.05' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
CEMENT TOP AT: 60'

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 180 jts (5589.90')  
TUBING ANCHOR: 5601.90' KB  
NO. OF JOINTS: 1 jts (31.18')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5635.88' KB  
NO. OF JOINTS: 1 jts (31.18')  
NO. OF JOINTS: 3 jts (93.54')  
TOTAL STRING LENGTH: EOT @ 5768.30' KB

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' SM  
SUCKER RODS: 1-2' X 3/4" pony rods, 100- 3/4" scraped rods, 109- 3/4" plain rods, 10- 3/4" scraped rods, 6- 1 1/2" weighted rods.  
PUMP SIZE: 2-1/2" x 1-1/2" x 20.5' RHAC w/SM plunger  
STROKE LENGTH: 86"  
PUMP SPEED, SPM: 5 SPM

**Wellbore Diagram**

Initial Production: BOPD,  
MCFD, BWPD

**FRAC JOB**

02-27-07 5820-5836' **Frac CP3 sands as follows:**  
70286# 20/40 sand in 562 bbls Lightning 17 frac fluid. Treated @ avg press of 1656 psi w/avg rate of 24.7 BPM. ISIP 2000 psi. Calc flush: 5818 gal. Actual flush: 5334 gal.

02-27-07 5667-5691' **Frac CP1 sands as follows:**  
46165# 20/40 sand in 419 bbls Lightning 17 frac fluid. Treated @ avg press of 1660 psi w/avg rate of 24.7 BPM. ISIP 1900 psi. Calc flush: 5665 gal. Actual flush: 5124 gal.

02-28-07 5094-5102' **Frac B2 sands as follows:**  
29852# 20/40 sand in 359 bbls Lightning 17 frac fluid. Treated @ avg press of 2087 psi w/avg rate of 24.3 BPM. ISIP 1900 psi. Calc flush: 5092 gal. Actual flush: 4620 gal.

02-28-07 4854-4860' **Frac D2 sands as follows:**  
25520# 20/40 sand in 318 bbls Lightning 17 frac fluid. Treated @ avg press of 2249 w/ avg rate of 24.2 BPM. ISIP 1935 psi. Calc flush: 4852 gal. Actual flush: 4326 gal.

02-28-07 4306-4313' **Frac GB6 sands as follows:**  
48942# 20/40 sand in 382 bbls Lightning 17 frac fluid. Treated @ avg press of 2065 w/ avg rate of 24.6 BPM. ISIP 1935 psi. Calc flush: 4304 gal. Actual flush: 4200 gal.

**PERFORATION RECORD**

Date	Interval	Tool	Holes
02-27-07	5820-5836'	4 JSPF	16 holes
02-27-07	5667-5691'	4 JSPF	96 holes
02-27-07	5094-5102'	4 JSPF	32 holes
02-28-07	4854-4860'	4 JSPF	24 holes
02-28-07	4306-4313'	4 JSPF	28 holes

**South Wells Draw 10-3-9-16**

1875' FSL & 1901' FEL

NW/SE Section 3-T9S-R16E

Duchesne Co, Utah

API # 43-013-32967; Lease # UTU-79832

## South Wells Draw 9-3-9-16

Spud Date: 11-21-06  
 Put on Production: 2-8-07  
 GL: 5550' KB: 5562'

Initial Production: BOPD,  
 MCFD, BWPD

Injection Wellbore  
DiagramSURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (306.85')  
 DEPTH LANDED: 318.70' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

Cement top @ 230'

Casing shoe @ 319'

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 139 jts. (6112.22')  
 DEPTH LANDED: 6126.17' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 350 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP AT: 230'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 139 jts (4417.37')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4429.37  
 ARROWSET 1-X PKR (7.40')  
 CE (3.30') @ 4433.77  
 TOTAL STRING LENGTH: EOT @ 4437.87

FRAC JOB

02-02-07 5945-5965' **Frac CPS sands as follows:**  
 20329# 20/40 sand in 305 bbls Lightning 17  
 frac fluid. Treated @ avg press of 2672 psi  
 w/avg rate of 25 BPM. ISIP 1934 psi. Calc  
 flush: 5943 gal. Actual flush: 5439 gal.

02-02-07 5664-5673' **Frac CPI sands as follows:**  
 40800# 20/40 sand in 377 bbls Lightning 17  
 frac fluid. Treated @ avg press of 2447 psi  
 w/avg rate of 24.8 BPM. ISIP 1796 psi. Calc  
 flush: 5662 gal. Actual flush: 5124 gal.

02-05-07 4954-4964' **Frac C sands as follows:**  
 28071# 20/40 sand in 314 bbls Lightning 17  
 frac fluid. Treated @ avg press of 2064 psi  
 w/avg rate of 24.8 BPM. ISIP 2117 psi. Calc  
 flush: 4952 gal. Actual flush: 4452 gal.

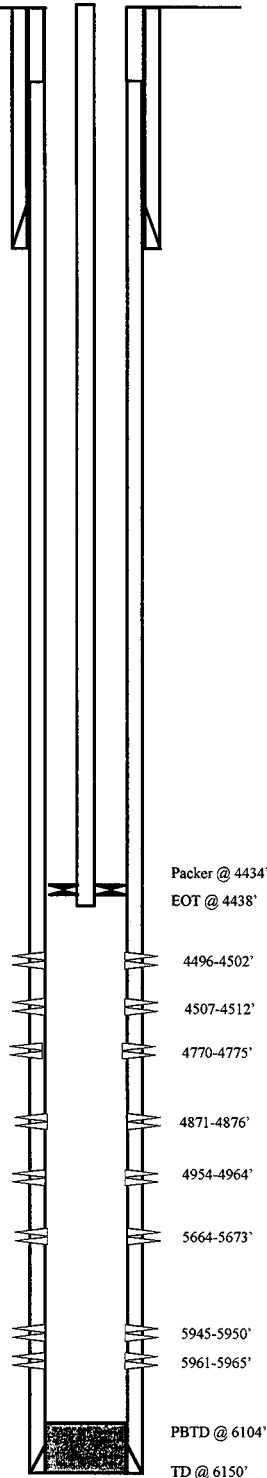
02-05-07 4770-4876' **Frac D1, & D2 sands as follows:**  
 20723# 20/40 sand in 291 bbls Lightning 17  
 frac fluid. Treated @ avg press of 2062 w/  
 avg rate of 24.7 BPM. ISIP 2175 psi. Calc  
 flush: 4768 gal. Actual flush: 4263 gal.

02-05-07 4496-4512' **Frac pb 10 sands as follows:**  
 52900# 20/40 sand in 435 bbls Lightning 17  
 frac fluid. Treated @ avg press of 1942 w/  
 avg rate of 24.5 BPM. ISIP 2258 psi. Calc  
 flush: 4494 gal. Actual flush: 4410 gal.

05/05/09 **Converted well to injection**  
 05/18/09 **MIT completed update tubing detail**

PERFORATION RECORD

01-23-07	5961-5965'	4 JSPF	16 holes
01-23-07	5945-5950'	4 JSPF	20 holes
02-02-07	5664-5673'	4 JSPF	36 holes
02-02-07	4954-4964'	4 JSPF	40 holes
02-05-07	4871-4876'	4 JSPF	20 holes
02-05-07	4770-4775'	4 JSPF	20 holes
02-05-07	4507-4512'	4 JSPF	20 holes
02-05-07	4496-4502'	4 JSPF	24 holes



## So Wells Draw 9-3-9-16

1919' FSL &amp; 494' FEL

NE/SE Section 3-T9S-R16E

Duchesne Co, Utah

API # 43-013-32966; Lease # UTU-79832

## South Wells Draw 12-2-9-16

Spud Date: 10/10/2000  
 Put on Production: 12/14/2000  
 GL: 5545' KB: 5558'

Initial Production: 138.4 BOPD,  
 29.9 MCFD, 31.9 BWPD

Injection Wellbore  
DiagramSURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (292')  
 DEPTH LANDED: 302'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 141 sxs Class "G" cmt, est 5 bbls cmt to surf

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 137 jts. (5806.55')  
 DEPTH LANDED: 5803'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sk Prem. Lite II mixed & 450 sxs 50/50 POZ., est.  
 12 bbls cement to surface.  
 CEMENT TOP AT: Approx. 352'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 150 jts (4858.07')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4868.07' KB  
 Arrowset 1-X PKR (7.20')  
 CE @ 4872.27'  
 TOTAL STRING LENGTH: EOT @ 4876.57'

FRAC JOB

12/11/00 5690'-5702' **5676'-5679'** **Frac CP-1 sands as follows:**  
 75,000# 20/40 sand in 294 bbls Viking I-25 fluid. Perfs broke down @ 3010 psi. Treated @ avg press of 1750 psi w/avg rate of 30 BPM. ISIP 2170 psi.

12/11/00 4963'-4966' **4968'-4988'** **Frac C sand as follows:** Set plug at 4800'. 117,540# 20/40 sand in 444 bbls Viking I-25 fluid. Perfs broke down @ 2280 psi. Treated @ avg press of 1800 psi w/avg rate of 29 BPM. ISIP 2150 psi, flow back on 12/64 choke @ 1 BPM, flowed 4 hrs and died.

11/12/03 **Pump Change:** Update tbg & rod detail.

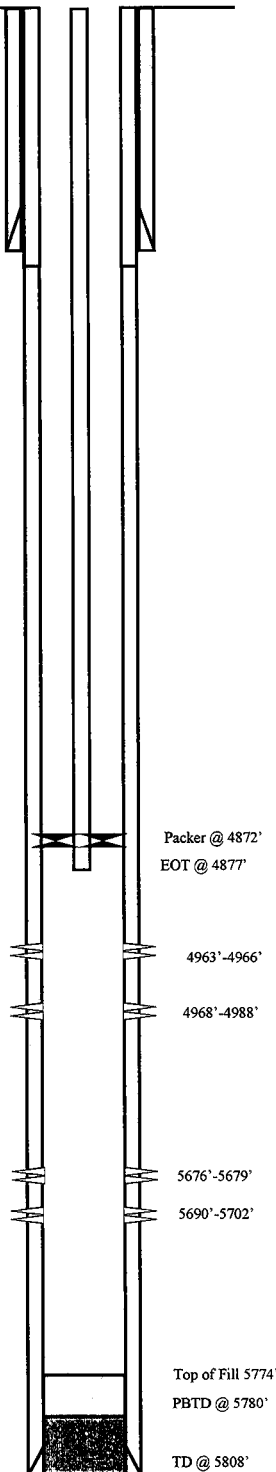
02/04/06 **Pump change.** Update rod and tubing details.

06/03/09 **Convert to Injection Well, update tbg detail**

06/11/09 **MIT Completed**

PERFORATION RECORD

2/11/00	5690'-5702'	4 JSPF	48 holes
2/11/00	5676'-5679'	4 JSPF	12 holes
2/11/00	4968'-4988'	4 JSPF	80 holes
2/11/00	4963'-4966'	4 JSPF	12 holes



**South Wells Draw #12-2-9-16**  
 1860' FSL & 509' FWL  
 NW/SW Section 2-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32126; Lease #ML-21839

## South Wells Draw 14-3-9-16

Spud Date: 2/18/2002

Put on Production: 1/27/2005

GL: 5615' KB:5627'

Initial Production: BOPD,  
MCFD, BWPD

## Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts. (303.12')

DEPTH LANDED: 311.12' KB

HOLE SIZE: 12-1/4"

CEMENT DATA: 150sxs Class "G" cmt, est 4.5 bbl cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 145 jts. (6100.78')

DEPTH LANDED: 6098.78' KB

HOLE SIZE: 7 7/8"

CEMENT DATA: 350 sxs Prem. Lite II &amp; 450 sxs 50/50 POZ mix

CEMENT TOP AT: 664'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55

NO. OF JOINTS: 179 jts (5773.90')

TUBING ANCHOR: 5785.90'

NO. OF JOINTS: 2 jts (61.33')

SEATING NIPPLE: 2 7/8" (1.10')

SN LANDED AT: 5850.03'

NO. OF JOINTS: 2 jts (65.11')

TOTAL STRING LENGTH: EOT @ 5916.69'

SUCKER RODS

POLISHED ROD: 1 1/2" x 22'

SUCKER RODS: 1-6", 1-2", 1-8" x 3/4" pony rods; 99-3/4" guided rods; 96-3/4" slick rods; 32-3/4" guided rods; 6-1 1/2" weight rods

PUMP SIZE: 2 1/2" x 1 1/2" x 16' x 20' RHAC pump w/ SM Plunger

STROKE LENGTH: 86"

PUMP SPEED, SPM: 5 SPM

Cement Top @ 664'

SN @ 5850'

Anchor @ 5786'

5826-5836'

5884-5890'

EOT @ 5917'

5966-5974'

Top of Fill &amp; PBTD @ 6055'

SHOE @ 6099'

TD @ 6130'

FRAC JOB

1/21/05 5826'-5974'

**Frac CP5, 4, 3 sands as follows:**75,962# 20/40 sand in 604 bbls Lightning  
17 frac fluid. Treated @ avg press of 1962 psi  
w/avg rate of 25.5 BPM. ISIP 1880 psi. Calc  
flush: 5824 gal. Actual flush: 5863 gal.

1/21/05 5660'-5736'

**Frac CP2, 1 sands as follows:**100,304# 20/40 sand in 734 bbls Lightning  
17 frac fluid. Treated @ avg press of 1885 psi  
w/avg rate of 25.4 BPM. ISIP 1930 psi. Calc  
flush: 5658 gal. Actual flush: 5657 gal.

1/21/05 5080'-5088'

**Frac B2 sands as follows:**35,296# 20/40 sand in 349 bbls Lightning  
17 frac fluid. Treated @ avg press of 1995 psi  
w/avg rate of 25.2 BPM. ISIP 1980 psi. Calc  
flush: 5078 gal. Actual flush: 5077 gal.

1/22/05 4791'-4801'

**Frac D1 sands as follows:**26,035# 20/40 sand in 281 bbls Lightning  
17 frac fluid. Treated @ avg press of 1890 psi  
w/avg rate of 14.8 BPM. ISIP 2030 psi. Calc  
flush: 4789 gal. Actual flush: 4788 gal.

1/22/05 4252'-4306'

**Frac GB6 and 4 sands as follows:**63,646# 20/40 sand in 474 bbls lightning  
17 fluid. Treated @ avg press of 2271 psi  
w/avg rate of 25.4 BPM. ISIP 2425 psi. Calc  
flush: 4250 gal. Actual flush: 4158 gal.

10-29-07

Tubing Leak. Updated rod &amp; tubing details.

1/31/09

Pump Change. Updated r &amp; t details.

PERFORATION RECORD

1/18/05	5966-5974'	4 JSPF	32 holes
1/18/05	5884-5890'	4 JSPF	24 holes
1/18/05	5826-5836'	4 JSPF	40 holes
1/21/05	5728-5736'	4 JSPF	32 holes
1/21/05	5660-5678'	4 JSPF	72 holes
1/21/05	5080-5088'	4 JSPF	32 holes
1/21/05	4791-4801'	4 JSPF	40 holes
1/22/05	4296-4306'	4 JSPF	40 holes
1/22/05	4252-4260'	4 JSPF	32 holes

**NEWFIELD**

South Wells Draw 14-3-9-16

846' FSL &amp; 1951' FWL

SWSE Section 3-T9S-R16E

Duchesne Co, Utah

API #43-013-32139; Lease #UTU-77338

## South Well Draw Federal 15-3-9-16

Spud Date: 11/27/06  
 Put on Production: 03/02/07  
 K.B.: 5627, G.L.: 5615

Initial Production: BOPD,  
 MCFD, BWPD

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (308.37')  
 DEPTH LANDED: 320.22' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

Cement Top @ 164'

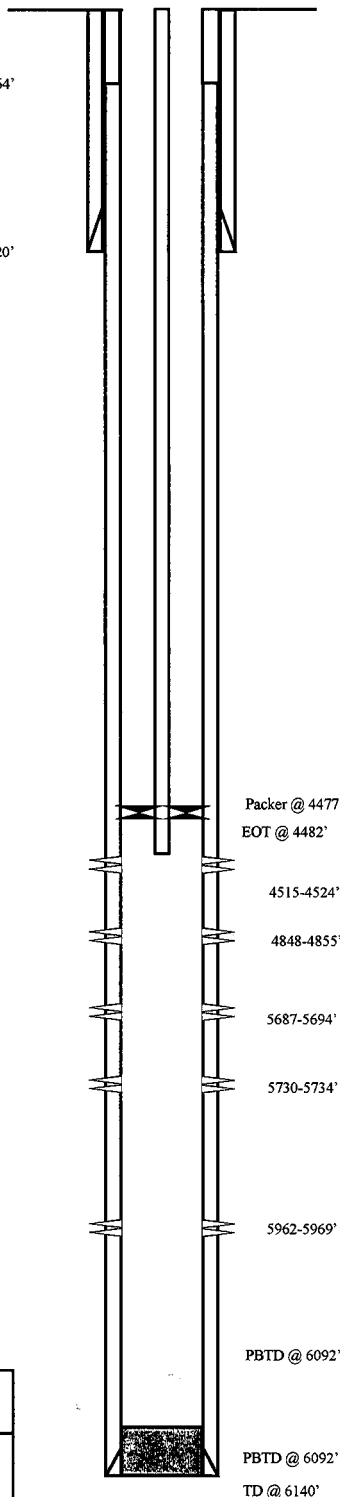
Casing Shoe @ 320'

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 140 jts. (6101.74')  
 DEPTH LANDED: 6114.99' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP AT: 164

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 142 jts (4461.03')  
 SEATING NIPPLE: 2-7/8" (1-10')  
 SN LANDED AT: 4473.03  
 TUBING ANCHOR: (3-30')  
 CE: @ 4477.43  
 TOTAL STRING LENGTH: EOT @ 4481.53' KB

Injection Wellbore  
Diagram**FRAC JOB**

02/22/07 5962-5969' **Frac CP5 sands as follows:**  
 24200# 20/40 sand in 345 bbls Lightning 17  
 frac fluid. Treated @ avg press of 1926 psi  
 w/avg rate of 24.5 BPM. ISIP 1926 psi. Calc  
 flush: 5967 gal. Actual flush: 5460 gal.

02/22/07 5687-5734' **Frac CP2, CP1 sands as follows:**  
 50175# 20/40 sand in 485 bbls Lightning 17  
 frac fluid. Treated @ avg press of 1650 psi  
 w/avg rate of 24.6 BPM. ISIP 1725 psi. Calc  
 flush: 5732 gal. Actual flush: 5166 gal.

02/22/07 4848-4855' **Frac D2 sands as follows:**  
 34742# 20/40 sand in 387 bbls Lightning 17  
 frac fluid. Treated @ avg press of 2545 psi  
 w/avg rate of 25.1 BPM. ISIP 1973 psi. Calc  
 flush: 4853 gal. Actual flush: 4368 gal.

02/22/07 4515-4524' **Frac PB10 sands as follows:**  
 42126# 20/40 sand in 344 bbls Lightning 17  
 frac fluid. Treated @ avg press of 1840 psi  
 w/avg rate of 14.4 BPM. ISIP 1905 psi. Calc  
 flush: 4522 gal. Actual flush: 3360 gal.

04/28/09  
 Converted to an injection well. Update tbg  
 detail

05/07/09  
 MIT Completed

**PERFORATION RECORD**

02/14/07	5962-5969'	4 JSPF	28 holes
02/22/07	5730-5734'	4 JSPF	16 holes
02/22/07	5687-5694'	4 JSPF	28 holes
02/22/07	4848-4855'	4 JSPF	24 holes
02/22/07	4515-4524'	4 JSPF	36 holes

**South Well Draw 15-3-9-16**

531' FSL & 2038' FSL

SW/SE Section 3-T9S-R16E

Duchesne Co, Utah

API #43-013-32968; Lease #UTU-79832



## South Wells Draw #13-2

Spud Date: 10/13/2000  
Put on Production: 12/08/2000  
GL: 5563' KB: 5573'

Initial Production: 74.5 BOPD,  
67.6 MCFD, 13.3 BWPD

SURFACE CASING

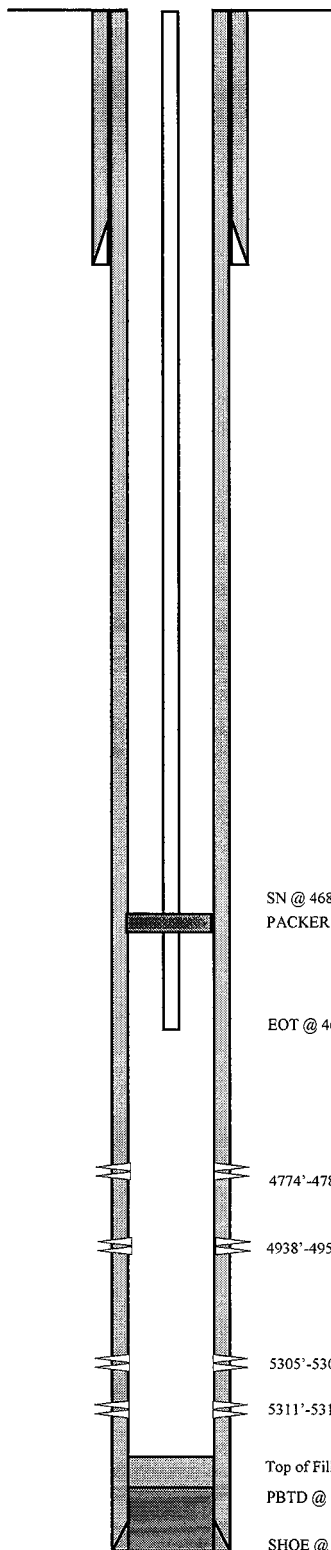
CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (297')  
DEPTH LANDED: 302'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 141 sxs Class "G" cmt, est 5 bbls cmt to surf

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55 & N-80  
WEIGHT: 15.5# & 17.0#  
LENGTH: 144 jts. (5836.06')  
DEPTH LANDED: 5832'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 275 sk Prem. Lite II mixed & 500 sxs 50/50 POZ.

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 146 jts (4676.95')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 4686.95'  
PACKER: 4691.30'  
TOTAL STRING LENGTH: EOT @ 4695.40'

Injection Wellbore  
DiagramFRAC JOB

2/5/00	5305'-5317'	<b>Frac A3 sand as follows:</b> 37,400# 20/40 sand in 350 bbls Viking I-25 fluid. Perfs broke down @ 3224 psi. Treated @ avg press of 2300 psi w/avg rate of 27 BPM. ISIP 2700 psi.
2/5/00	4774'-4780'	<b>Frac D1 sand as follows:</b> Set plug at 4800'. 24,960# 20/40 sand in 229 bbls Viking I-25 fluid. Perfs broke down @ 1750 psi. Treated @ avg press of 2200 psi w/avg rate of 26 BPM. ISIP 2250 psi, flow back on 12/64 choke @ 1 BPM, flowed 4.5 hrs and died.
2/5/00	4938'-4958'	<b>Frac C sand as follows:</b> Set plug @ 5090'. Unable to break down perfs. Dump 15 gal 15% HCL across perfs. Frac with 75,000# 20/40 sand in 569 bbls Viking I-25 fluid. Perfs broke down @ 3130 psi. Treated @ avg press of 1900 psi w/avg rate of 30 BPM. ISIP 2420 psi.
11/5/02		Set Packer. Waiting on permission to inject.
11/19/02		Start Injecting
11/5/02		Set Packer: Waiting on permission to inject.
11/19/02		Start Injecting
2-2-07		Tubing Leak: Updated tubing detail.

PERFORATION RECORD

2/5/00	4774'-4780'	4 JSPF	24 holes
2/5/00	4938'-4958'	4 JSPF	80 holes
2/5/00	5305'-5309'	4 JSPF	16 holes
2/5/00	5311'-5317'	4 JSPF	24 holes

SN @ 4687'  
PACKER @ 4691'

EOT @ 4695'

4774'-4780'

4938'-4958'

5305'-5309'

5311'-5317'

Top of Fill @ 5782'

PBTD @ 5785'

SHOE @ 5832'

TD @ 5845'

**NEWFIELD**



South Wells Draw #13-2-9-16

696' FNL & 644' FWL

SWNW Section 2-T9S-R16E

Duchesne Co, Utah

API #43-013-32127; Lease #ML-21839

## South Wells Draw 14-2-9-16

Spud Date: 5/27/2000  
Put on Production: 6/05/2000  
GL: 5547' KB: 5557'

Initial Production: 199 BOPD,  
248 MCFD, 3 BWPD

SURFACE CASING

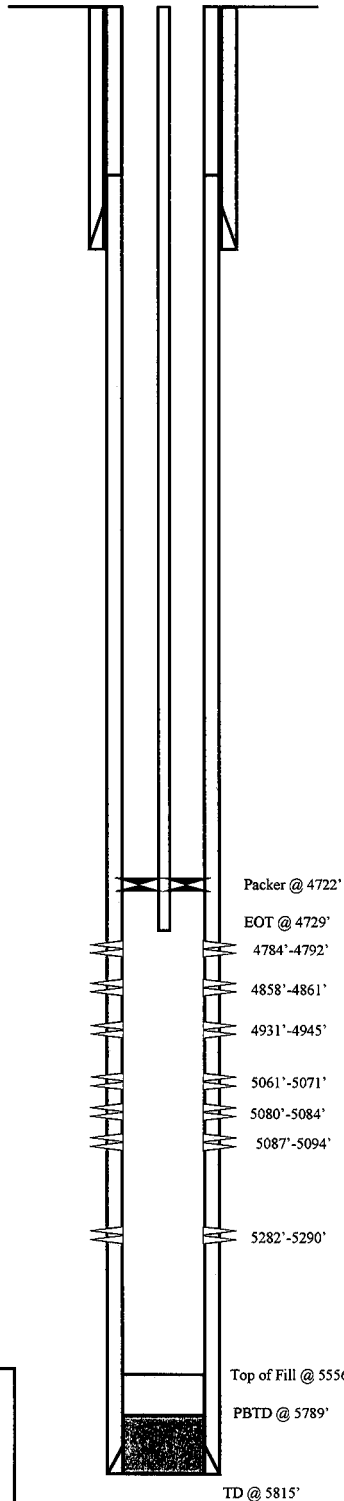
CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (30.71")  
DEPTH LANDED: 305.71'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 141 sxs Class "G" cmt,

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 136 jts. (5800.39')  
DEPTH LANDED: 5798'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 265 sk Prem. Lite II mixed & 400 sxs 50/50 POZ.

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 152 jts (4708')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 4004' KB  
CE @ 4721'  
TOTAL STRING LENGTH: EOT @ 4729' KB

Injection Wellbore  
DiagramFRAC JOB

5/23/00	5282'-5290'	<b>Frac A sand</b> as follows: 75,200# 20/40 sand in 477 bbls Viking 1-25 Fluid. Perfs brk back @ 2770 psi. Treated @ avg press of 1500 psi w/ avg rate of 28 BPM. ISIP - 1960 psi, 5 min - 1625 psi. RD BJ. Flow back A sd frac on 12/64 choke for 3 hrs & died. Rec 99 BTF
5/25/00	5061'-5094'	<b>Frac B sand</b> as follows: 3000 gals of Viking 1-25 pad, 75,200 lbs white 20/40 sand in 11,000 gals Viking 1-25 fluid. 5040 gals flush. Broke down at 2650 psi. 1600 psi avg. ISIP 2150 psi. 5 min 1839 psi. 477 total bbls pumped. RD BJ. Flow frac back @ .6 bpm avg rate. 54 bbls in 1.5 hrs.
5/30/00	4931'-4945'	<b>Frac C sand</b> as follows: 72,057# 20/40 sd in 430 bbls Viking I-25 fluid. Hole filled w/114 bbls. Perfs broke dn @ 1970 psi. Treated @ avg rate of 26.8 BPM w/ avg press of 2500 psi. Screened out w/ 8.5# sd on perfs w/3822 gals flushed (1104 gals short of top perf). ISIP 3320#, 5 min 2651#. RD BJ. Flowback frac on 12/64" chk for 2 hrs & died. Rec 50 BTF
6/01/00	4784'-4861'	<b>Frac D-1 sand</b> as follows: 78,043# 20/40 sand in 484 bbls Viking I-25 fluid. Hole filled w/110 bbls. Perfs broke dn @ 2644 psi. Treated @ avg rate of 29 BPM w/avg press of 1800 psi. ISIP: 2010 psi, 5-min: 1883 psi. RD BJ. Flowback frac on 12/64" chk for 3 hrs and died. Rec 110 BTF
3/07/03		Pump change. Updated rod and tubing detail.
2-23-06		Pump change. Updated rod and tubing detail.
04-06-10		MIT

PERFORATION RECORD

5/22/00	5282'-5290'	4 JSPF	32 holes
5/24/00	5061'-5071'	4 JSPF	40 holes
5/24/00	5080'-5084'	4 JSPF	16 holes
5/24/00	5087'-5094'	4 JSPF	28 holes
5/26/00	4931'-4945'	4 JSPF	56 holes
5/31/00	4784'-4792'	4 JSPF	32 holes
5/31/00	4858'-4861'	4 JSPF	12 holes

**NEWFIELD****South Wells Draw #14-2-9-16**

725 FSL 1980 FWL  
SE/SW Section 2-T9S-R16E  
Duchesne Co, Utah  
API #43-013-32128; Lease #ML-21839

Spud Date: 5-16-98

Put on Production: 8/14/98

GL: 5644' KB: 5656'

## S. Wells Draw #2-10-9-16

## Wellbore Diagram

Initial Production: 74 BOPD,  
30 MCFD, 23 BWPDSURFACE CASING

SIZE: 8 5/8"  
 GRADE: J-55  
 WEIGHT: 24 #  
 LENGTH: 7 jts @ 316.35'  
 HOLE SIZE: 12 1/4"  
 DEPTH LANDED: 316.85'  
 CEMENT DATA: 120 sx Class G, est 4 bbls cmt to surface

PRODUCTION CASING

SIZE: 5 1/2"  
 GRADE: J-55  
 WEIGHT: 15.5 #  
 LENGTH: 136 jts @ 5833'  
 HOLE SIZE: 7 7/8"  
 DEPTH LANDED: 5844'  
 CEMENT DATA: 370 sx 28:72 Poz &  
 365 sx Class G  
 CEMENT TOP AT: surface

TUBING RECORD

SIZE/GRADE/WT.: 2 7/8", J-55, 6.5 lbs  
 NO. OF JOINTS: 173 jts ( 5387.23')  
 TUBING ANCHOR: 5399.23'  
 SEATING NIPPLE: 2 7/8" (1.10")  
 SN LANDED AT: 5433.48'  
 EOT: 5529.57'

SUCKER RODS

POLISHED RODS: 1 1/2" X 20'  
 SUCKER RODS: 2-4' X 3/4" pony rods, 91-3/4" guided rods  
 85- 3/4" slick rods, 38-3/4" guided rods  
 4-1 1/2" WT bars  
 PUMP SIZE: 2 1/2" X 1 1/2" 15 1/2" RHAC CDI PUMP  
 STROKE LEGNTH: 64"  
 PUMP SPEED: 4 SPM

FRAC JOB

7-29-98 5636'-5649' **Frac CP sand as follows:**  
 111,600# 20/40 sand in 561 bbls Viking.  
 Perfs broke @ 2790 psi. Treated w/avg  
 press of 1250 psi w/avg rate of 30.6 BPM.  
 ISIP-1850 psi, 5 min 1700 psi. Flowback  
 on 12/64" ck for 3 hrs & died.

7-30-98 5250'-5276' **Frac A sand as follows:**  
 111,200# 20/40 sand in 550 bbls Viking.  
 Perfs broke @ 3511 psi. Treated w/avg  
 press of 1645 psi w/avg rate of 30.2 BPM.  
 ISIP-1920 psi, 5 min 1830 psi. Flowback  
 on 12/64" ck for 6 hrs & died.

8-02-98 4753'-4850' **Frac D sand as follows:**  
 118,164# 20/40 sand in 568 bbls Viking.  
 Perfs broke @ 3573 psi. Treated w/avg  
 press of 1850 psi w/avg rate of 30 BPM.  
 ISIP-2150 psi, 5 min 2013 psi. Flowback  
 on 12/64" ck for 7 hrs & died.

8-07-98 4223'-4276' **Frac GB sand as follows:**  
 110,700# 20/40 sand in 519 bbls Viking.  
 Perfs broke @ 3420 psi. Treated w/avg  
 press of 1895 psi w/avg rate of 26.3 BPM.  
 ISIP-2300 psi, 5 min 2150 psi. Flowback  
 on 12/64" ck for 4 hrs & died.

4-29-08 Pump change

11/25/09 Tubing Leak. Updated rod & tubing detail.

PERFORATION RECORD

7-29-98	5636'-5649'	4 JSPF	52 holes
7-30-98	5250'-5252'	4 JSPF	8 holes
7-30-98	5257'-5264'	4 JSPF	28 holes
7-30-98	5266'-5276'	4 JSPF	40 holes
8-01-98	4753'-4757'	4 JSPF	16 holes
8-01-98	4773'-4778'	4 JSPF	20 holes
8-01-98	4847'-4850'	4 JSPF	12 holes
8-06-98	4223'-4230'	4 JSPF	28 holes
8-06-98	4233'-4240'	4 JSPF	28 holes
8-06-98	4274'-4276'	4 JSPF	8 holes



S. Wells Draw #2-10-9-16

635 FNL 1999 FEL

NWNE Section 10-T9S-R16E

Duchesne Co, Utah

API #43-013-31774; Lease #U-76813

DF 2/26/09

## Jonah Federal #4-11-9-16

Spud Date: 1/2/03

Put on Production: 1/29/04

GL: 5552' KB: 5564'

Initial Production: 56 BOPD,  
78 MCFD, 5 BWPD

## Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts (294.88')

DEPTH LANDED: 304.88'

HOLE SIZE: 12-1/4"

CEMENT DATA: 160 sxs class G cmt, est 11 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 135 jts. (6016.67')

DEPTH LANDED: 6014.67'

HOLE SIZE: 7-7/8"

CEMENT DATA: 300 sxs Premilite II and 400 sxs 50/50 POZ

CEMENT TOP AT: 150'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 173 jts (5718.05')

TUBING ANCHOR: 5730.05' KB

NO. OF JOINTS: 1 jt (33.00')

SN LANDED AT: 5765.85' KB

NO. OF JOINTS: 2 jts (65.95')

TOTAL STRING LENGTH: 5833.35' W/12' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM

SUCKER RODS: 6-1 1/2" weight bars, 10-3/4" scraped rods, 114-3/4" plain rods, 100-3/4" scraped rods, 1-4', 1-8' x 3/4" pony rods.

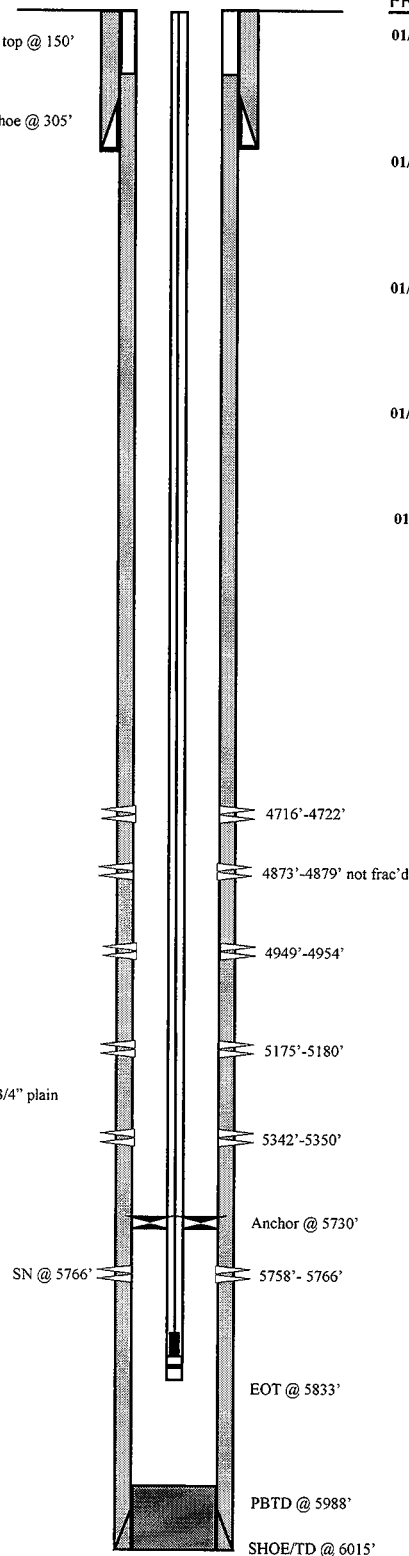
PUMP SIZE: 2-1/2" x 1-1/2" x 12 x 16' RHAC

STROKE LENGTH: 75"

PUMP SPEED, SPM: 6 SPM

FRAC JOB

01/22/04	5758'-5766'	<b>Frac CP1 sands as follows:</b> 30,019# 20/40 sand in 331 bbls Lightning 17 frac fluid. Treated @ avg pressure of 1765 psi w/avg rate of 24.8 BPM. ISIP-2000. Calc. flush: 5756 gals. Actual flush: 5250 gals.
01/22/04	5342'-5350'	<b>Frac LODC sands as follows:</b> 39,662# 20/40 sand in 377 bbls Lightning 17 frac fluid. Treated @ avg pressure of 2565 psi w/avg rate of 24.6 BPM. ISIP-2620. Calc. flush: 5340 gals. Actual flush: 5334 gals.
01/22/04	5175'-5180'	<b>Frac A3 sands as follows:</b> 24,875# 20/40 sand in 283 bbls Lightning 17 frac fluid. Treated @ avg pressure of 2200 psi w/avg rate of 24.7 BPM. ISIP-2020. Calc. flush: 5173 gals. Actual flush: 4830 gals.
01/23/04	4949'-4954'	<b>Frac B1 sands as follows:</b> 25,264# 20/40 sand in 278 bbls Lightning 17 frac fluid. Treated @ avg pressure of 1777 psi w/avg rate of 24.6 BPM. ISIP-2230. Calc. flush: 4947 gals. Actual flush: 4674 gals.
01/23/04	4716'-4722'	<b>Frac D1 sands as follows:</b> 29,035# 20/40 sand in 299 bbls Lightning 17 frac fluid. Treated @ avg pressure of 2519 psi w/avg rate of 25.3 BPM. ISIP-2115. Calc. flush: 4714 gals. Actual flush: 4620 gals.

PERFORATION RECORD

01/21/04	5758'-5766'	4 JSPF	32 holes
01/22/04	5342'-5350'	4 JSPF	32 holes
01/22/04	5175'-5180'	4 JSPF	20 holes
01/22/04	4949'-4954'	4 JSPF	20 holes
01/23/04	4873'-4879'	4 JSPF	20 holes
01/23/04	4872.5'-4878.5'	4 JSPF	24 holes
01/23/04	4716'-4722'	4 JSPF	24 holes

**NEWFIELD**

Jonah Federal #4-11-9-16

864 FNL &amp; 711 FWL

NWNW Section 11-T9S-R16E

Duchesne County, Utah

API #43-013-32279; Lease #U-096550

MH 4/16/04

## Castle Peak Unit #7

Spud Date: 10/8/64  
P&A'd: N/A  
GL: 5605' KB: 5615'

Wellbore Diagram

Put on Production: 12/13/64

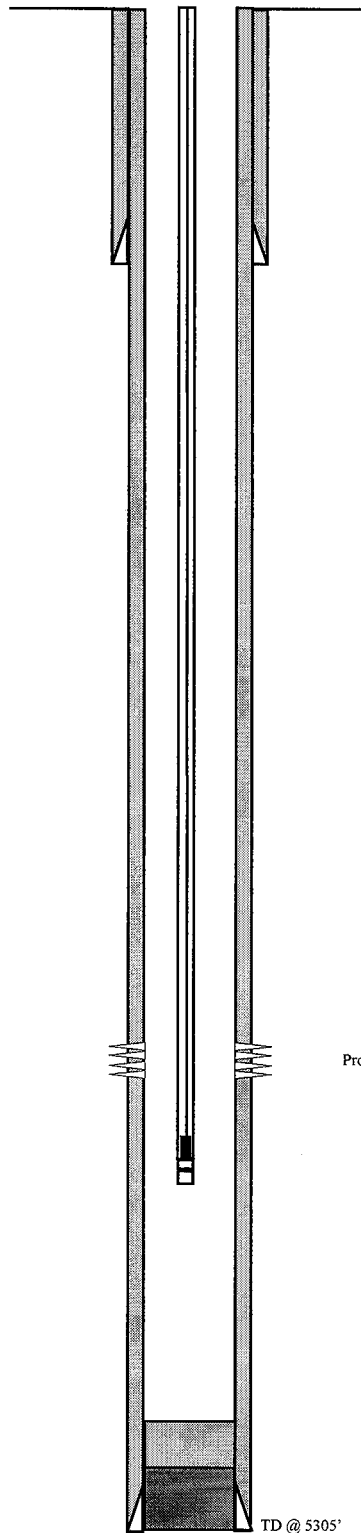
Cumulative Production

4473 BO

0 MCF

0 BW

Per State of Utah-DOGM records, this well was drilled by Diamond Shamrock. Current status on file is P&A'd. Plug date and cement plug detail were not available.

**NEWFIELD**

Castle Peak Unit #7  
1980 FNL 659 FEL  
SENE Section 10-T9S-R16E  
Duchesne Co, Utah  
API #43-013-15785; Lease #U-017985

3/11/2010

## State Q-2-9-16

Spud Date: 10/06/06  
Put on Production: 11/21/06

K.B.: 5557, G.L.: 5545

**SURFACE CASING**

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (311.22')  
DEPTH LANDED: 323.07' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 2bbls cmt to surf.

**PRODUCTION CASING**

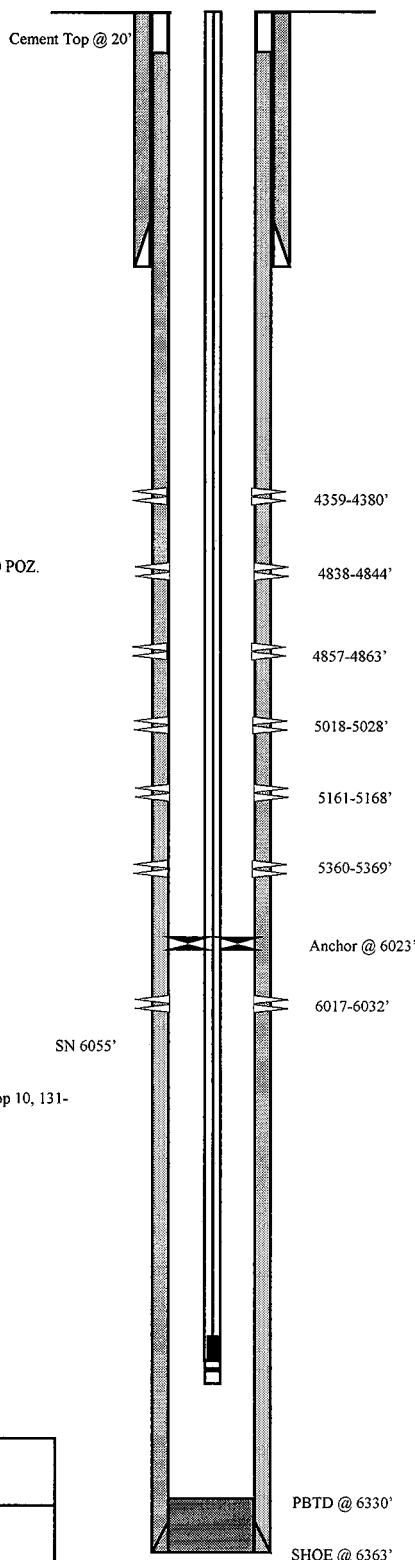
CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 145 jts. (6350.66')  
DEPTH LANDED: 6363.91' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 350 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
CEMENT TOP: 20'

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 194 jts (6011.46')  
TUBING ANCHOR: 6023.46' KB  
NO. OF JOINTS: 1 jts (29.62')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 6055.88' KB  
NO. OF JOINTS: 2 jts (61.57')  
TOTAL STRING LENGTH: EOT @ 6119' KB

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 26' SM  
SUCKER RODS: 1-6' X 7/8" pony rod, 82-7/8" scraped rods top 10, 131-3/4" scraped rods, 24-7/8" scraped rods, 4-1 1/2" weight rods  
PUMP SIZE: 2-1/2" x 1-3/4" x 19 1/2" RHAC  
STROKE LENGTH: 124"  
PUMP SPEED, 5 SPM:

**Wellbore Diagram**

Initial Production: BOPD,  
MCFD, BWPD

**FRAC JOB**

11/14/06	6017-6032'	<b>Frac CP5 sands as follows:</b> 82483# 20/40 sand in 632 bbls Lightning 17 frac fluid. Treated @ avg press of 1725 psi w/avg rate of 24.9 BPM. ISIP 1930 psi. Calc flush: 6030 gal. Actual flush: 5544 gal.
11/15/06	5360-5369'	<b>Frac A3 sands as follows:</b> 35311# 20/40 sand in 423 bbls Lightning 17 frac fluid. Treated @ avg press of 1955 psi w/avg rate of 23.5 BPM. ISIP 2000 psi. Calc flush: 5367 gal. Actual flush: 4851 gal.
11/15/06	5161-5168'	<b>Frac B2 sands as follows:</b> 21557# 20/40 sand in 388 bbls Lightning 17 frac fluid. Treated @ avg press of 1968 psi w/avg rate of 25 BPM. ISIP 1931 psi. Calc flush: 5166 gal. Actual flush: 4696 gal.
11/16/06	5018-5028'	<b>Frac C sands as follows:</b> 49955# 20/40 sand in 489 bbls Lightning 17 frac fluid. Treated @ avg press of 1878psi w/avg rate of 24.3 BPM. ISIP 2118 psi. Calc flush: 5026 gal. Actual flush: 4511 gal.
11/16/06	4838-4863'	<b>Frac D1 sands as follows:</b> 24859# 20/40 sand in 333 bbls Lightning 17 frac fluid. Treated @ avg press of 1926 psi w/avg rate of 22 BPM. ISIP 2070psi. Calc flush: 4861 gal. Actual flush: 4326 gal.
11/16/06	4359-4380'	<b>Frac GB6 sands as follows:</b> 157500# 20/40 sand in 975 bbls Lightning 17 frac fluid. Treated @ avg press of 1868 psi w/avg rate of 24.9 BPM. ISIP 2171 psi. Calc flush: 4378 gal. Actual flush: 4355 gal.
5/23/08		updated tubing and rods

**PERFORATION RECORD**

11/08/06	6017-6032'	4 JSPF	60 holes
11/15/06	5360-5369'	4 JSPF	36 holes
11/15/06	5161-5168'	4 JSPF	28 holes
11/15/06	5018-5028'	4 JSPF	40 holes
11/16/06	4857-4863'	4 JSPF	24 holes
11/16/06	4838-4844'	4 JSPF	24 holes
11/16/06	4359-4380'	4 JSPF	84 holes

**NEWFIELD****State Q-2-9-16**

729' FSL &amp; 1945' FWL

SE/SW Section 2-T9S-R16E

Duchesne Co, Utah

API #43-013-33221; Lease #ML: 21839

# Multi-Chem Group, LLC

Multi-Chem Analytical Laboratory  
1553 East Highway 40  
Vernal, UT 84078



## Water Analysis Report

Production Company: **NEWFIELD PRODUCTION (158)**

Sample ID: **WA-33965**

Well Name: **S. Wells Draw Fed 16-3-9-16**

Sample Point: **tank**

Sample Date: **11/20/2009**

Sales Rep: **Randy Huber**

Lab Tech: **Peter Poulsen**

Sample Specifics	
Test Date:	11/20/2009
Temperature (°F):	100
Sample Pressure (psig):	0
Specific Gravity (g/cm³):	1.0060
pH:	8
Turbidity (NTU):	-
Calculated T.D.S. (mg/L)	7185
Molar Conductivity (µS/cm):	10886
Resistivity (Mohm):	0.9186

Analysis @ Properties in Sample Specifics			
Cations		mg/L	Anions
Calcium (Ca):		40.00	Chloride (Cl):
Magnesium (Mg):		48.80	Sulfate (SO₄):
Barium (Ba):		22.00	Dissolved CO₂:
Strontium (Sr):		-	Bicarbonate (HCO₃):
Sodium (Na):		2411.00	Carbonate (CO₃):
Potassium (K):		-	H₂S:
Iron (Fe):		0.03	Phosphate (PO₄):
Manganese (Mn):		0.06	Silica (SiO₂):
Lithium (Li):		-	Fluoride (F):
Aluminum (Al):		-	Nitrate (NO₃):
Ammonia NH₃:		-	Lead (Pb):
			Zinc (Zn):
			Bromine (Br):
			Boron (B):

Test Conditions		Scale Values @ Test Conditions - Potential Amount of Scale in lb/1000bbl										
		Calcium Carbonate CaCO₃		Gypsum CaSO₄ · 2H₂O		Calcium Sulfate CaSO₄		Strontium Sulfate SrSO₄		Barium Sulfate BaSO₄		Calculated CO₂
		Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	psi
Temp °F	Gauge Press. psi											
100	0	8.86	24.72	0.00	-2103.50	0.00	-2222.20	-	-	2.82	5.01	0.44
80	0	6.78	19.88	0.00	17.41	0.00	-2368.10	-	-	4.28	6.20	0.21
100	0	8.86	24.72	0.00	22.27	0.00	-2222.20	-	-	2.82	5.01	0.26
120	0	10.80	28.76	0.00	26.40	0.00	-2009.80	-	-	1.90	3.52	0.29
140	0	12.64	32.30	0.00	30.23	0.00	-1761.00	-	-	1.32	1.69	0.33
160	0	14.26	34.95	0.00	33.54	0.00	-1501.40	-	-	0.93	-0.52	0.37
180	0	15.56	36.34	0.00	35.98	0.00	-1250.00	-	-	0.67	-3.13	0.40
200	0	16.51	36.49	0.00	37.21	0.00	-1019.40	-	-	0.49	-6.20	0.41
220	2.51	16.98	36.05	0.00	37.16	0.00	-824.45	-	-	0.35	-9.99	0.41
240	10.3	17.19	35.11	0.00	35.36	0.00	-650.26	-	-	0.26	-14.16	0.42
260	20.76	17.09	34.07	0.00	32.61	0.00	-505.10	-	-	0.20	-18.91	0.42
280	34.54	16.70	32.85	0.00	29.65	0.00	-386.67	-	-	0.15	-24.32	0.43
300	52.34	16.08	31.25	0.00	26.86	0.00	-291.70	-	-	0.12	-30.48	0.44

### Conclusions:

Calcium Carbonate scale is indicated at all temperatures from 80°F to 300°F  
Gypsum Scaling Index is negative from 80°F to 300°F  
Calcium Sulfate Scaling Index is negative from 80°F to 300°F  
Strontium Sulfate scaling was not evaluated  
Barium Sulfate NO CONCLUSION

### Notes:



# Multi-Chem Group, LLC

Multi-Chem Analytical Laboratory

1553 East Highway 40

Vernal, UT 84078

A Attachment F  
2 of 4

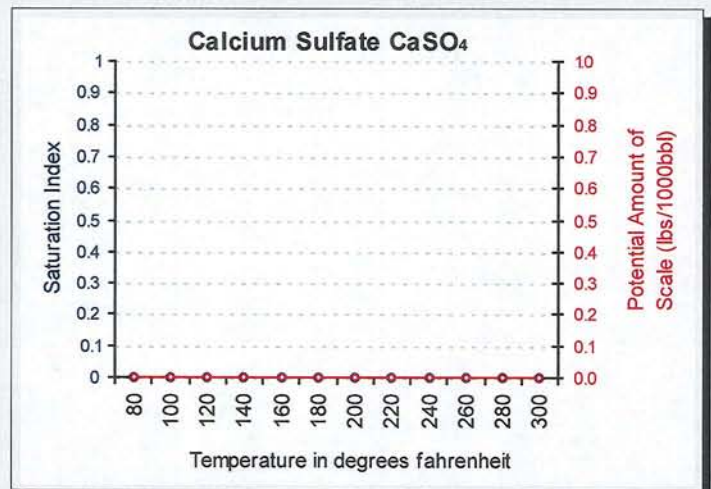
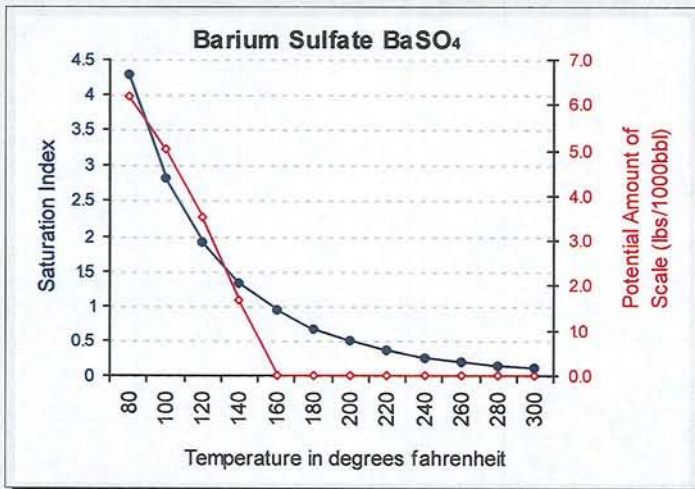
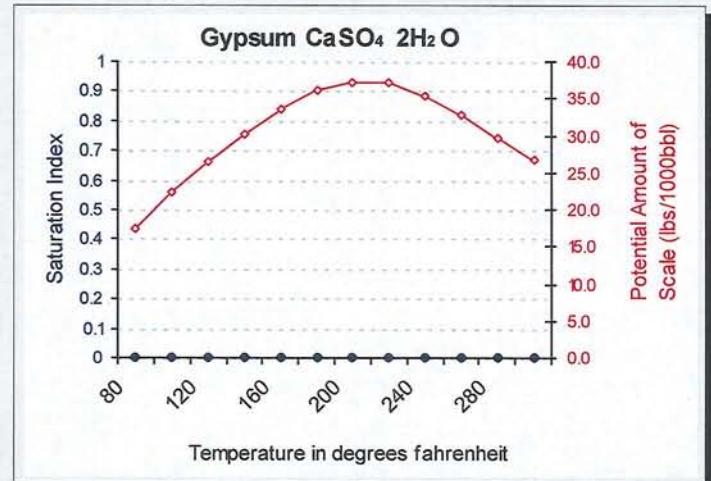
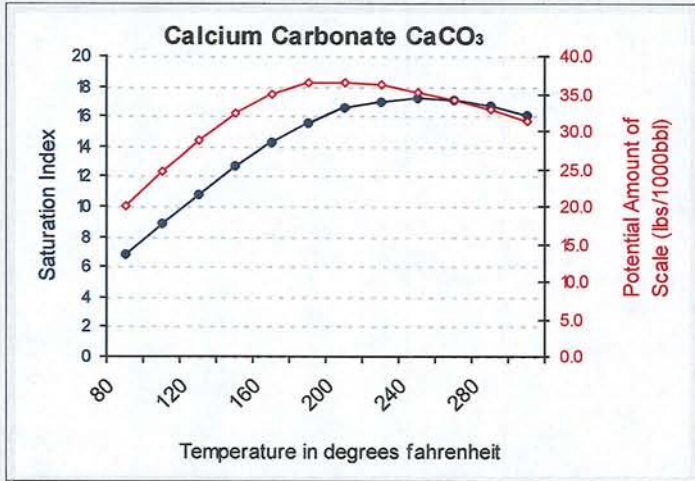


multi-chem®

## Scale Prediction Graphs

Well Name: **S. Wells Draw Fed 16-3-9-16**

Sample ID: **WA-33965**





# Multi-Chem Group, LLC

Multi-Chem Analytical Laboratory

1553 East Highway 40

Vernal, UT 84078



## Water Analysis Report

Production Company: **NEWFIELD PRODUCTION (158)**

Sample ID: **WA-35269**

Well Name: **SOUTH WELLS DRAW INJ**

Sample Point: **Tri-plex suction**

Sample Date: **1 / 5 / 2010**

Sales Rep: **Randy Huber**

Lab Tech: **John Keel**

Sample Specifics	
Test Date:	1/5/2010
Temperature (°F):	100
Sample Pressure (psig):	0
Specific Gravity (g/cm³):	1.0080
pH:	8.5
Turbidity (NTU):	-
Calculated T.D.S. (mg/L):	14518
Molar Conductivity (µS/cm):	21997
Resistivity (Mohm):	0.4546

Analysis @ Properties in Sample Specifics			
Cations		mg/L	Anions
Calcium (Ca):		40.00	Chloride (Cl):
Magnesium (Mg):		48.80	Sulfate (SO₄):
Barium (Ba):		3.00	Dissolved CO₂:
Strontium (Sr):		-	Bicarbonate (HCO₃):
Sodium (Na):		5221.00	Carbonate (CO₃):
Potassium (K):		-	H₂S:
Iron (Fe):		2.29	Phosphate (PO₄):
Manganese (Mn):		0.18	Silica (SiO₂):
Lithium (Li):		-	Fluoride (F):
Aluminum (Al):		-	Nitrate (NO₃):
Ammonia NH₃:		-	Lead (Pb):
			Zinc (Zn):
			Bromine (Br):
			Boron (B):

Test Conditions		Scale Values @ Test Conditions - Potential Amount of Scale in lb/1000bbl										
		Calcium Carbonate CaCO₃		Gypsum CaSO₄ · 2H₂O		Calcium Sulfate CaSO₄		Strontium Sulfate SrSO₄		Barium Sulfate BaSO₄		Calculated CO₂
		Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	psi
100	0	18.63	61.28	0.01	-2464.50	0.00	-2627.60	-	-	19.57	4.84	0.12
80	0	14.85	60.19	0.01	65.24	0.00	-2798.30	-	-	29.93	4.93	0.07
100	0	18.63	61.28	0.01	76.56	0.00	-2627.60	-	-	19.57	4.84	0.08
120	0	21.65	59.58	0.01	82.61	0.01	-2371.20	-	-	13.09	4.71	0.09
140	0	23.90	57.39	0.01	83.93	0.01	-2066.00	-	-	8.93	4.52	0.10
160	0	25.14	55.68	0.01	81.37	0.01	-1744.20	-	-	6.21	4.27	0.11
180	0	25.30	54.75	0.01	76.58	0.01	-1430.50	-	-	4.39	3.93	0.12
200	0	24.51	54.39	0.01	70.28	0.02	-1141.40	-	-	3.14	3.46	0.12
220	2.51	22.80	54.08	0.01	62.89	0.03	-898.26	-	-	2.22	2.79	0.12
240	10.3	20.78	51.88	0.01	53.89	0.04	-678.18	-	-	1.62	1.93	0.12
260	20.76	18.51	46.86	0.01	45.00	0.07	-494.29	-	-	1.19	0.80	0.12
280	34.54	16.19	40.18	0.02	37.07	0.11	-344.07	-	-	0.88	-0.70	0.12
300	52.34	13.94	33.58	0.02	30.34	0.19	-223.92	-	-	0.65	-2.65	0.12

### Conclusions:

Calcium Carbonate scale is indicated at all temperatures from 80°F to 300°F

Gypsum Scaling Index is negative from 80°F to 300°F

Calcium Sulfate Scaling Index is negative from 80°F to 300°F

Strontium Sulfate scaling was not evaluated

Barium Sulfate NO CONCLUSION

### Notes:



# Multi-Chem Group, LLC

Multi-Chem Analytical Laboratory

1553 East Highway 40

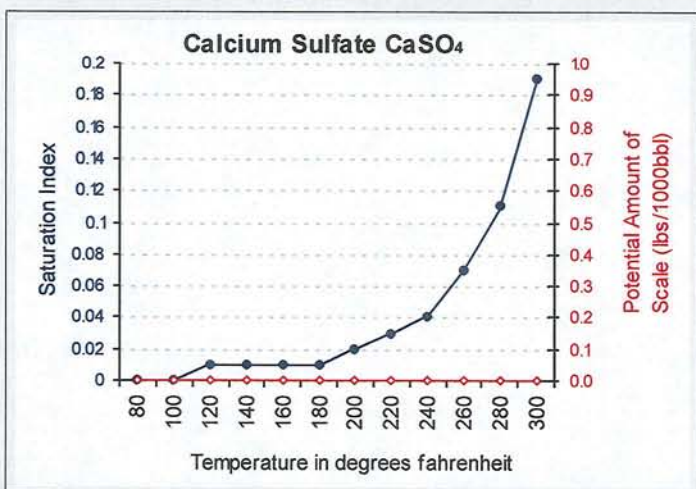
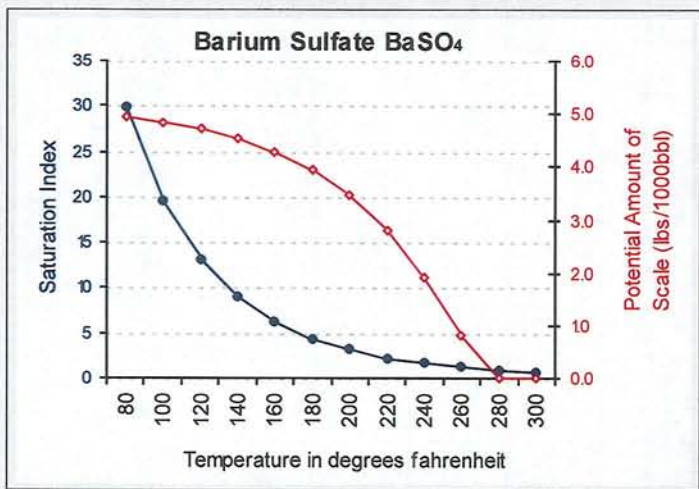
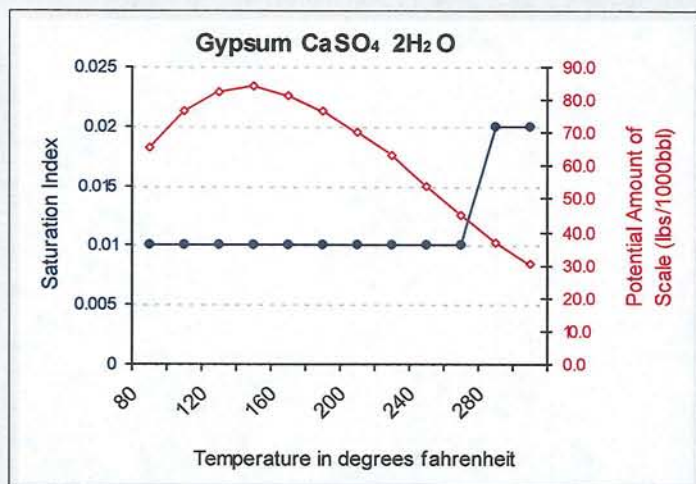
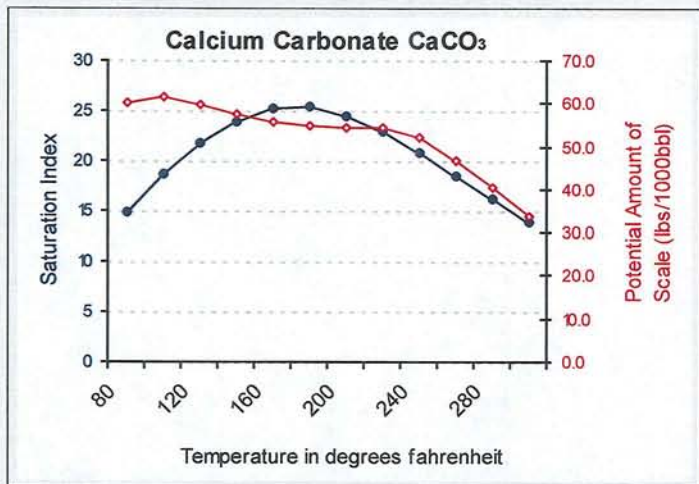
Vernal, UT 84078



## Scale Prediction Graphs

Well Name: SOUTH WELLS DRAW INJ

Sample ID: WA-35269



**Attachment "G"**

**South Wells Draw Federal #16-3-9-16  
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient	Pmax
Top	Bottom			(psi/ft)	
5954	5974	5964	2030	0.77	1991
5247	5255	5251	2190	0.85	2156
5087	5094	5091	1880	0.80	1847 ←
4957	4966	4962	2180	0.87	2148
4804	4852	4828	2136	0.88	2105
4299	4308	4304	1973	0.89	1945
				<b>Minimum</b>	<u><u>1847</u></u>

**Calculation of Maximum Surface Injection Pressure**

$P_{max} = (\text{Frac Grad} - (0.433 \times 1.015)) \times \text{Depth of Top Perf}$   
 where pressure gradient for the fresh water is .433 psi/ft and  
 specific gravity of the injected water is 1.015.

$$\text{Frac Gradient} = (\text{ISIP} + (0.433 \times \text{Top Perf.})) / \text{Top Perf.}$$

**Please note:** These are existing perforations; additional perforations may be added during the actual conversion procedure.

# NEWFIELD



Attachment (3-1)

12/11

## DAILY COMPLETION REPORT

WELL NAME: South Wells Draw 16-3-9-16

Report Date: 01/30/07

Day: 1

Operation: Completion

Rig: Rigless

### WELL STATUS

Surf Csg: 8 5/8" @ 323'  
Tbg: Size: Wt:

Prod Csg: 5 1/2" @ 6135'  
Grd: Pkr/EOT @:

Csg PBTD: 6081' WL  
BP/Sand PBTD:

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			CP5 sds	5954-5974'	4/80

### CHRONOLOGICAL OPERATIONS

Date Work Performed: 01/29/07

SITP: SICP:

Install 5M frac head. NU Cameron BOP. RU H/O truck & pressure test casing, frac head, blind rams & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 6081' & cement top @ 220'. Perforate stage #1 W/ 4" ported gun as follows: CP5 sds @ 5954-5974' W/ 4 JSPF for total of 80 shots. RD WLT. SIFN W/ est 139 BWTR.

### FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 0  
Fluid lost/recovered today: 139  
Ending fluid to be recovered: 139  
IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:  
Starting oil rec to date:  
Oil lost/recovered today:  
Cum oil recovered:

### STIMULATION DETAIL

Base Fluid used: Job Type:  
Company:  
Procedure or Equipment detail:

### COSTS

Weatherford BOP	\$1,140
NPC NU crew	\$300
NDSI trucking	\$800
Perforators LLC	\$7,129
Drilling cost	\$323,394
Zubiate hot oil	\$584
Location preparation	\$300
NPC wellhead	\$1,500
Benco - anchors	\$1,200
Admin. Overhead	\$3,000
NPC supervision	\$300
DAILY COST:	\$339,647
TOTAL WELL COST:	\$339,647

Max TP: Max Rate: Total fluid pmpd:  
Avg TP: Avg Rate: Total Prop pmpd:  
ISIP: 5 min: 10 min: 15 min:  
Completion Supervisor: Don Dulen

# NEWFIELD



Attachment B-1  
2 of 11

## DAILY COMPLETION REPORT

WELL NAME: South Wells Draw 16-3-9-16

Report Date: 10-Feb-07

Day: 2a

Operation: Completion

Rig: Rigless

### WELL STATUS

Surf Csg: 8 5/8" @ 323'

Prod Csg: 5 1/2" @ 6135'

Csg PBTD: 6081' WL

Tbg: Size: Wt:

Grd: Pkr/EOT @:

BP/Sand PBTD:

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			CP5 sds	5954-5974'	4/80

### CHRONOLOGICAL OPERATIONS

Date Work Performed: 9-Feb-07

SITP: SICP: 80 psi

Day 2a.

RU BJ Services. 80 psi on well. Frac CP5 sds w/ 100,611#'s of 20/40 sand in 735 bbls of Lightning 17 fluid. Broke @ 3125 psi. Treated w/ ave pressure of 1756 psi @ ave rate of 24.8 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. ISIP 2030 psi. Leave pressure on well. 874 BWTR. See Day 2b.

### FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 139

Starting oil rec to date:

Fluid lost/recovered today: 735

Oil lost/recovered today:

Ending fluid to be recovered: 874

Cum oil recovered:

IFL: FFL: FTP:

Choke: Final Fluid Rate: Final oil cut:

### STIMULATION DETAIL

Base Fluid used: Lightning 17 Job Type: Sand frac

Company: BJ Services

Procedure or Equipment detail: CP5 sands

7500 gals of pad

5000 gals W/ 1-5 ppg of 20/40 sand

10000 gals W/ 5-8 ppg of 20/40 sand

2490 gals W/ 8 ppg of 20/40 sand

Flush W/ 504 gals of 15% HCL acid

Flush W/ 5418 gals of slick water

\*\*Flush called @ blender--includes 2 bbls pump/line volume\*\*

Max TP: 2201 Max Rate: 25.2 BPM Total fluid pmpd: 735 bbls

Avg TP: 1756 Avg Rate: 24.8 BPM Total Prop pmpd: 100,611#'s

ISIP: 2030 5 min: 10 min:

FG: .77

Completion Supervisor: Orson Barney

### COSTS

BJ Services-CP5 \$36,546

CD wtr & trucking \$2,128

NPC fuel gas \$333

Weatherford tools/serv \$1,250

NPC trucking \$300

NPC Supervisor \$150

DAILY COST: \$40,707

TOTAL WELL COST: \$380,354

## NEWFIELD


 Attachment G-1  
 30/11

## DAILY COMPLETION REPORT

WELL NAME: South Wells Draw 16-3-9-16 Report Date: 10-Feb-07 Day: 2b.  
 Operation: Completion Rig: Rigless

## WELL STATUS

Surf Csg: 8 5/8" @ 323' Prod Csg: 5 1/2" @ 6135' Csg PBTD: 6081' WL  
 Tbg: Size: Wt: Grd: Pkr/EOT @: BP/Sand PBTD: 5190'  
 BP: 5350'

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			A1 sds	<u>5247-5255'</u>	<u>4/32</u>
			CP5 sds	<u>5954-5974'</u>	<u>4/80</u>
B2 sds	<u>5087-5094'</u>	<u>4/28</u>			

## CHRONOLOGICAL OPERATIONS

Date Work Performed: 9-Feb-07 SITP: SICP: 1602 psi

Day 2b.

RU Lone Wolf WLT, crane & lubricator. RIH w/ 5-1/2" Weatherford composite flow through plug & 8' perf gun. Set plug @ 5350'. Perforate A1 sds @ 5247- 55' w/ 3-1/8" Slick Guns (23 gram, .43"HE, 90°) w/ 4 SPF for total of 32 shots. RU BJ Services. 1602 psi on well. Frac A1 sds w/ 41,752#'s of 20/40 sand in 417 bbls of Lightning 17 fluid. Broke @ 2076 psi. Treated w/ ave pressure of 2017 psi @ ave rate of 24.5 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. ISIP 2190 psi. RU Lone Wolf WLT, crane & lubricator. RIH w/ 5-1/2" Weatherford composite flow through plug & 7' perf gun. Set plug @ 5190'. Perforate B2 sds @ 5087- 94' w/ 3-1/8" Slick Guns (23 gram, .43"HE, 90°) w/ 4 SPF for total of 28 shots. SIWFN w/ 1291 BWTR.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 874 Starting oil rec to date:   
 Fluid lost/recovered today: 417 Oil lost/recovered today:   
 Ending fluid to be recovered: 1291 Cum oil recovered:   
 IFL:  FFL:  FTP:  Choke:  Final Fluid Rate:  Final oil cut:

## STIMULATION DETAIL

Base Fluid used: Lightning 17 Job Type: Sand frac  
 Company: BJ Services

Procedure or Equipment detail: A1 sands  
1399 gals of breakdown & get crosslink.  
3200 gals of pad  
2500 gals W/ 1-5 ppg of 20/40 sand  
5157 gals W/ 5-8 ppg of 20/40 sand  
Flush W/ 504 gals of 15% HCL acid  
Flush W/ 4746 gals of slick water

\*\*Flush called @ blender--includes 2 bbls pump/line volume\*\*

Max TP: 2307 Max Rate: 24.9 BPM Total fluid pmpd: 417 bbls  
 Avg TP: 2017 Avg Rate: 24.5 BPM Total Prop pmpd: 41,752#'s  
 ISIP: 2190 5 min:  10 min:  FG: .85

Completion Supervisor: Orson Barney

## COSTS

BJ Services-A1	\$10,398
CD wtr & trucking	\$840
NPC fuel gas	\$132
Weatherford tools/serv	\$4,900
Lone Wolf WL-A1	\$4,254
NPC Supervisor	\$150
Lone Wolf WL-B2	\$3,722

DAILY COST: \$24,396

TOTAL WELL COST: \$404,750



## NEWFIELD


 Attachment G-1  
 5 of 11

## DAILY COMPLETION REPORT

WELL NAME: South Wells Draw 16-3-9-16

Report Date: 13-Feb-07

Day: 3b

Operation: Completion

Rig: Rigless

## WELL STATUS

 Surf Csg: 8 5/8" @ 323'  
 Tbg: Size: Wt:

 Prod Csg: 5 1/2" @ 6135'  
 Grd: Pkr/EOT @:

 Csg PBTD: 6081' WL  
 BP/Sand PBTD: 4910'  
 BP: 5045', 5190', 5350'

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
D1 sds	4804-4809'	4/20	A1 sds	5247-5255'	4/32
D2 sds	4847-4852'	4/20	CP5 sds	5954-5974'	4/80
C sds	4957-4966'	4/36			
B2 sds	5087-5094'	4/28			

## CHRONOLOGICAL OPERATIONS

Date Work Performed: 12-Feb-07

SITP: SICP: 1727 psi

3b. RU Lone Wolf WLT, crane & lubricator. RIH w/ 5-1/2" Weatherford composite flow through plug & 8' perf gun. Set plug @ 5045'. Perforate C sds @ 4957- 66' w/ 3-1/8" Slick Guns (23 gram, .43"HE, 90°) w/ 4 SPF for total of 36 shots. RU BJ Service. 1727 psi on well. Broke @ 2414 psi. Frac C sds w/ 18,286#s (1100#s in perfs) of 20/40 sand in 213 bbls of Lightning 17 fluid. Screened out due to high visc (13.4 up to 45). Begin immediate flowback of well. Flowed for 3 1/2 hrs. Rec est'd 210 BW. RU BJ services. Pumped 3 bbls of 15% HCL. Refrac C sds w/ 19,867#s of 20/40 sand in 392 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2783 psi @ ave rate of 20 BPM. Pumped 504 gals of 15% HCL in flush for Stage #5. ISIP 2180 psi. RU Lone Wolf WLT, crane & lubricator. RIH w/ 5-1/2" Weatherford composite flow through plug, 5' & 5' perf gun. Set plug @ 4910'. Perforate D2 sds @ 4847- 52', D1 sds @ 4804- 09' w/ 3-1/8" Slick Guns (23 gram, .43"HE, 90°) w/ 4 SPF for total of 40 shots. Leave pressure on well. 1951 BWTR.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1556 Starting oil rec to date:  
 Fluid lost/recovered today: 395 Oil lost/recovered today:  
 Ending fluid to be recovered: 1951 Cum oil recovered:  
 IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

## STIMULATION DETAIL

## COSTS

Base Fluid used: Lightning 17 Job Type: Sand frac

Company: BJ Services

Procedure or Equipment detail: C sands

126 gals of 15% HCL acid.

1655 gals of breakdown &amp; get crosslink.

2000 gals of pad

1680 gals W/ 1-4 ppg of 20/40 sand

6043 gals W/ 4-6.5 ppg of 20/40 sand

Flush W/ 504 gals of 15% HCL acid

Flush W/ 4456 gals of slick water

\*\*Flush called @ blender--includes 2 bbls pump/line volume\*\*

Max TP: 3839 Max Rate: 24.7 BPM Total fluid pmpd: 392 bbls

Avg TP: 2783 Avg Rate: 20 BPM Total Prop pmpd: 19,867#s

ISIP: 2180 5 min: 10 min: FG: .87

Completion Supervisor: Orson Barney

BJ Services-C	\$23,538
CD wtr & trucking	\$840
NPC fuel gas	\$132
Weatherford tools/serv	\$2,450
Lone Wolf WL-C	\$4,417
NPC Supervisor	\$75
Lone Wolf WL-D1& D2	\$4,907

DAILY COST: \$36,359

TOTAL WELL COST: \$449,014



## NEWFIELD

Attachment G-1  
6 of 11

## DAILY COMPLETION REPORT

WELL NAME: South Wells Draw 16-3-9-16

Report Date: 14-Feb-07

Day: 4a

Operation: Completion

Rig: Rigless

## WELL STATUS

Surf Csg: 8 5/8" @ 323'

Prod Csg: 5 1/2" @ 6135'

Csg PBTD: 6081' WL

Tbg: Size: Wt:

Grd: Pkr/EOT @:

BP/Sand PBTD: 4910'

BP: 5045', 5190', 5350'

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			A1 sds	5247-5255'	4/32
D1 sds	4804-4809'	4/20	CP5 sds	5954-5974'	4/80
D2 sds	4847-4852'	4/20			
C sds	4957-4966'	4/36			
B2 sds	5087-5094'	4/28			

## CHRONOLOGICAL OPERATIONS

Date Work Performed: 13-Feb-07

SITP: SICP: 1569 psi

4a.

RU BJ Service. 1569 psi on well. Frac D1 & D2 sds w/ 25,870#'s of 20/40 sand in 317 bbls of Lightning 17 fluid. Broke @ 2567 psi. Treated w/ ave pressure of 1944 psi @ ave rate of 24.5 BPM. Pumped 504 gals of 15% HCL in flush for Stage #6. ISIP 2136 psi. Leave pressure on well. 2268 BWTR. See Day 4b.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1951

Starting oil rec to date:

Fluid lost/recovered today: 317

Oil lost/recovered today:

Ending fluid to be recovered: 2268

Cum oil recovered:

IFL: FFL: FTP:

Choke: Final Fluid Rate: Final oil cut:

## STIMULATION DETAIL

## COSTS

Base Fluid used: Lightning 17 Job Type: Sand frac

Company: BJ Services

Procedure or Equipment detail: D1 &amp; D2 sands

2500 gals of pad

1915 gals W/ 1-4 ppg of 20/40 sand

4098 gals W/ 4-6.5 ppg of 20/40 sand

Flush W/ 504 gals of 15% HCL acid

Flush W/ 4284 gals of slick water

BJ Services-D1 &amp; D2 \$7,615

CD wtr &amp; trucking \$604

NPC fuel gas \$132

Weatherford tools/serv \$2,450

Zubiate hot oil \$210

NPC Supervisor \$150

\*\*Flush called @ blender--includes 2 bbls pump/line volume\*\*

Max TP: 2319 Max Rate: 24.5 BPM Total fluid pmpd: 317 bbls

Avg TP: 1944 Avg Rate: 24.5 BPM Total Prop pmpd: 25,870#'s

ISIP: 2136 5 min: 10 min:

FG: .88

Completion Supervisor: Orson Barney

DAILY COST: \$11,161

TOTAL WELL COST: \$460,175

## NEWFIELD

Attachment G-1  
2/11

## DAILY COMPLETION REPORT

WELL NAME: South Wells Draw 16-3-9-16

Report Date: 14-Feb-07

Day: 4b

Operation: Completion

Rig: Rigless

## WELL STATUS

Surf Csg: 8 5/8" @ 323'

Prod Csg: 5 1/2" @ 6135'

Csg PBTD: 6081' WL

Tbg: Size: Wt:

Grd: Pkr/EOT @:

BP/Sand PBTD: 4400'

BP: 4910', 5045', 5190', 5350'

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB6 sds	4299-4308'	4/36	A1 sds	5247-5255'	4/32
D1 sds	4804-4809'	4/20	CP5 sds	5954-5974'	4/80
D2 sds	4847-4852'	4/20			
C sds	4957-4966'	4/36			
B2 sds	5087-5094'	4/28			

## CHRONOLOGICAL OPERATIONS

Date Work Performed: 13-Feb-07

SITP: SICP: 1885 psi

4b.

RU Lone Wolf WLT, crane & lubricator. RIH w/ 5-1/2" Weatherford composite flow through plug & 9' perf gun. Set plug @ 4400'. Perforate GB6 sds @ 4299- 4308' w/ 3-1/8" Slick Guns (23 gram, .43"HE, 90°) w/ 4 SPF for total of 36 shots. RU BJ Service. 1885 psi on well. Pressured up to 4200 psi, Would not breakdown. RU Lone Wolf WL & dump bail acid. RU BJ Services. 1755 psi on well. Frac GB6 sds w/ 39,233 #'s of 20/40 sand in 357 bbls of Lightning 17 fluid. Broke @ 3258 psi. Treated w/ ave pressure of 2540 psi @ ave rate of 25 BPM (Shut down 2 times during job due to lose of suction to blender). ISIP 1973 psi. Begin immediate flowback on 12/64 choke @ 1 BPM. Flowed for 9 hrs & died. Rec. 513 BTF. Heavy gas flow when well was shut in. SIWFN w/ 2112 BWTR.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 2268

Starting oil rec to date:

Fluid lost/recovered today: 156

Oil lost/recovered today:

Ending fluid to be recovered: 2112

Cum oil recovered:

IFL: FFL: FTP:

Choke:

Final Fluid Rate:

Final oil cut:

## STIMULATION DETAIL

Base Fluid used: Lightning 17 Job Type: Sand frac

Company: BJ Services

Procedure or Equipment detail: GB6 sands

3200 gals of pad

2500 gals W/ 1-5 ppg of 20/40 sand

5073 gals W/ 5-8 ppg of 20/40 sand

Flush W/ 4200 gals of slick water

Max TP: 3258 Max Rate: 25.4 BPM Total fluid pmpd: 357 bbls

Avg TP: 2540 Avg Rate: 25 BPM Total Prop pmpd: 39,233#'s

ISIP: 1973 5 min: 10 min: FG: .89

Completion Supervisor: Orson Barney

## COSTS

BJ Services-GB6	\$34,022
CD wtr & trucking	\$940
NPC fuel gas	\$132
Weatherford tools/serv	\$2,450
Lone Wolf WL-GB6	\$6,029
NPC Supervisor	\$150
B&L- new J-55 tbg	\$34,387
NDSI wtr disposal	\$3,000
Mecham welding/labor	\$19,500
NPC sfc equipment	\$130,000
Monks pit reclaim	\$1,800
Unichem chemicals	\$400
NPC location cleanup	\$300
DAILY COST:	\$233,110
TOTAL WELL COST:	\$693,285

## NEWFIELD

Attachment G-1  
8 of 11

## DAILY COMPLETION REPORT

WELL NAME: South Wells Draw 16-3-9-16Report Date: 15-Feb-07Day: 5Operation: CompletionRig: Western #3

## WELL STATUS

Surf Csg: 8 5/8" @ 323' Prod Csg: 5 1/2" @ 6135' Csg PBTD: 6081' WL  
 Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT @: 1579' BP/Sand PBTD: 4275'  
 BP: 4400', 4910', 5045', 5190', 5350'

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB6 sds	4299-4308'	4/36	A1 sds	5247-5255'	4/32
D1 sds	4804-4809'	4/20	CP5 sds	5954-5974'	4/80
D2 sds	4847-4852'	4/20			
C sds	4957-4966'	4/36			
B2 sds	5087-5094'	4/28			

## CHRONOLOGICAL OPERATIONS

Date Work Performed: 14-Feb-07SITP: \_\_\_\_\_ SICP: 1050 psi

MIRU Western #3. 1050 psi on well. Open up well to pit, Flowed gas & oil. RU to flat tank. Flowed 40 bbls of oil to flat tank. No pressure lose on well. RU Zubiate hot oil & bullhead 15 bbls of wtr down csg. RU Lone Wolf WLT & lubricator. RIH w/ 5-1/2" Weatherford composite solid plug. Set plug @ 4275'. RD Lone Wolf WL. ND Cameron BOP & 5M WH. NU 3M WH & Schaffer BOP. Talley, PU & RIH w/ 4 3/4" bit, Bit sub & 51 jts of New 2 7/8 J-55 tbg. EOT @ 1579'. RU pump & lines. Circulate well clean. Rec 16 bbls of oil. Lost a total of 25 BW. SIWFN w/ 2072 BWTR.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 2112 Starting oil rec to date: 0  
 Fluid lost/recovered today: 40 Oil lost/recovered today: 16  
 Ending fluid to be recovered: 2072 Cum oil recovered: 56  
 IFL: \_\_\_\_\_ FFL: \_\_\_\_\_ FTP: \_\_\_\_\_ Choke: \_\_\_\_\_ Final Fluid Rate: \_\_\_\_\_ Final oil cut: \_\_\_\_\_

## STIMULATION DETAIL

Base Fluid used: \_\_\_\_\_ Job Type: \_\_\_\_\_

Company: \_\_\_\_\_

Procedure or Equipment detail: \_\_\_\_\_

## COSTS

Western #3	\$5,278
Weatherford BOP	\$210
Zubiate hot oil	\$400
Weatherford tools/serv	\$2,450
Lone Wolf WL	\$3,140
NPC Supervisor	\$300
RNI wtr disposal	\$1,200
Mt West sanitation	\$600
NDSI trucking	\$1,000

Max TP: \_\_\_\_\_ Max Rate: \_\_\_\_\_ Total fluid pmpd: \_\_\_\_\_

Avg TP: \_\_\_\_\_ Avg Rate: \_\_\_\_\_ Total Prop pmpd: \_\_\_\_\_

ISIP: \_\_\_\_\_ 5 min: \_\_\_\_\_ 10 min: \_\_\_\_\_ FG: \_\_\_\_\_

Completion Supervisor: Orson BarneyDAILY COST: \$14,578TOTAL WELL COST: \$707,863

# NEWFIELD



Attachment 6-1  
9 of 11

## DAILY COMPLETION REPORT

WELL NAME: South Wells Draw 16-3-9-16

Report Date: Feb. 16, 2007

Day: 6

Operation: Completion

Rig: Western #3

### WELL STATUS

Surf Csg: 8 5/8" @ 323' Prod Csg: 5 1/2" @ 6135' Csg PBTD: 6081' WL  
Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT @: 5055' BP/Sand PBTD: BP: 5190', 5350'

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB6 sds	4299-4308'	4/36	A1 sds	5247-5255'	4/32
D1 sds	4804-4809'	4/20	CP5 sds	5954-5974'	4/80
D2 sds	4847-4852'	4/20			
C sds	4957-4966'	4/36			
B2 sds	5087-5094'	4/28			

### CHRONOLOGICAL OPERATIONS

Date Work Performed: Feb. 15, 2007

SITP: 0 SICP: 0

Con't PU & TIH W/ bit & tbg f/ 1579'. Tag kill plug @ 4272'. RU power swivel. Drill out plug in 30 minutes. Well flowing fairly strong. Filled flat tank W/ oil. Switch returns into production tks. Con't to C/O sd & drill out composite bridge plugs as follows: no sd, plug @ 4400' in 45 minutes; no sd, plug @ 4910' in 27 minutes; no sd, plug @ 5045' in 32 minutes. Circ hole clean & SIFN W/ EOT @ 5055'. Rec est 145 BO & 175 BW today. Est 1897 BWTR.

### FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 2072 Starting oil rec to date: 56  
Fluid lost/recovered today: 175 Oil lost/recovered today: 145  
Ending fluid to be recovered: 1897 Cum oil recovered: 201  
IFL: \_\_\_\_\_ FFL: \_\_\_\_\_ FTP: \_\_\_\_\_ Choke: \_\_\_\_\_ Final Fluid Rate: \_\_\_\_\_ Final oil cut: \_\_\_\_\_

### STIMULATION DETAIL

Base Fluid used: \_\_\_\_\_ Job Type: \_\_\_\_\_

Company: \_\_\_\_\_

Procedure or Equipment detail: \_\_\_\_\_

### COSTS

Western #3	\$5,273
Weatherford BOP	\$210
Zubiate hot oil	\$730
Weatherford swivel	\$950
NDSI wtr & truck	\$800
ML trucking	\$800
NPC trucking	\$600
NPC supervision	\$300

Max TP: \_\_\_\_\_ Max Rate: \_\_\_\_\_ Total fluid pmpd: \_\_\_\_\_  
Avg TP: \_\_\_\_\_ Avg Rate: \_\_\_\_\_ Total Prop pmpd: \_\_\_\_\_  
ISIP: \_\_\_\_\_ 5 min: \_\_\_\_\_ 10 min: \_\_\_\_\_ FG: \_\_\_\_\_

Completion Supervisor: Gary Dietz

DAILY COST: \$9,663  
TOTAL WELL COST: \$717,526

## NEWFIELD

Attachment G-1  
10 of 11

## DAILY COMPLETION REPORT

WELL NAME: South Wells Draw 16-3-9-16

Report Date: Feb. 17, 2007

Day: 7

Operation: Completion

Rig: Western #3

## WELL STATUS

Surf Csg: 8 5/8" @ 323' Prod Csg: 5 1/2" @ 6135' Csg PBTD: 6113'  
 Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT @: 6048' BP/Sand PBTD: 6113'

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB6 sds	4299-4308'	4/36	A1 sds	5247-5255'	4/32
D1 sds	4804-4809'	4/20	CP5 sds	5954-5974'	4/80
D2 sds	4847-4852'	4/20			
C sds	4957-4966'	4/36			
B2 sds	5087-5094'	4/28			

## CHRONOLOGICAL OPERATIONS

Date Work Performed: Feb. 16, 2007

SITP: 210 SICP: 840

Bleed well off to production tks--stays flowing. RU & pump 30 BW dn tbg--leave casing flowing. Con't PU & TIH W/ bit and tbg f/ 5055'. Tag plug @ 5190'. PU swivel. Drill out plug in 25 minutes. Swivel in hole to plug @ 5350'. Drill out plug in 25 minutes. Swivel in hole and tag fill @ 5965'. Drill plug remains & sd to PBTD @ 6113'. Circ hole W/ clean wtr. Well flowing slowly. RD swivel. Pull EOT to 6048'. RU swab equipment. Made 3 runs & well started flowing fairly steady (gas spurts & good oil cut). RU adjustable choke to tbg and tie into flowline. Open well to production tks @ 5:30 PM. Est 1767 BWTR.

\*\*Recovered est 130 BW &amp; 100 BO during cleanout &amp; swabbing\*\*

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1897 Starting oil rec to date: 201  
 Fluid lost/recovered today: 130 Oil lost/recovered today: 100  
 Ending fluid to be recovered: 1767 Cum oil recovered: 301  
 IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

## STIMULATION DETAIL

Base Fluid used: Job Type:

Company:

Procedure or Equipment detail:

## COSTS

Western #3	\$4,637
Weatherford BOP	\$250
Zubiate hot oil	\$850
Weatherford swivel	\$950
CD trucking (trans)	\$600
NPC supervision	\$300

Max TP: Max Rate: Total fluid pmpd:

Avg TP: Avg Rate: Total Prop pmpd:

ISIP: 5 min: 10 min: FG:

Completion Supervisor: Gary Dietz

DAILY COST: \$7,587

TOTAL WELL COST: \$725,113

## NEWFIELD



Attachment 7-1

11811

## DAILY COMPLETION REPORT

WELL NAME: South Wells Draw 16-3-9-16

Report Date: Feb. 20, 2007

Day: 8

Operation: Completion

Rig: Western #3

## WELL STATUS

Surf Csg: 8 5/8" @ 323' Prod Csg: 5 1/2" @ 6135' Csg PBTD: 6113'  
 Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Anchor @: 5946' BP/Sand PBTD: 6113'

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB6 sds	4299-4308'	4/36	A1 sds	5247-5255'	4/32
D1 sds	4804-4809'	4/20	CP5 sds	5954-5974'	4/80
D2 sds	4847-4852'	4/20			
C sds	4957-4966'	4/36			
B2 sds	5087-5094'	4/28			

## CHRONOLOGICAL OPERATIONS

Date Work Performed: Feb. 19, 2007

FTP: 100 SICP: 300

Well flowed est 336 BO & 77 BW since Friday. Open choke & bleed well down. RU & pump 30 BW dn tbg--let casing flow. TIH W/ tbg f/ 6048'. Tag sd @ 6110' (3' new fill). C/O sd to PBTD @ 6113'. Circ hole clean. Rec add'l 66 BO. Lost 80 BW. Well laying static. LD excess tbg. TOH W/ tbg--LD bit. TIH W/ BHA & production tbg as follows: 2 7/8 NC, 1 jt tbg, SN, 1 jt tbg, new CDI 5 1/2" TA (45K) & 188 jts 2 7/8 8rd 6.5# J-55 tbg. ND BOP. Set TA @ 5946' W/ SN @ 5980' & EOT @ 6013'. Land tbg W/ 16,000# tension. NU wellhead. PU & TIH W/ pump and "A" grade rod string as follows: new CDI 2 1/2" X 1 1/2" X 14' RHAC pump, 6-1 1/2" weight rods, 10-3/4" scraped rods, 123-3/4" plain rods, 99-3/4" scraped rods, 1-8", 1-4' & 1-2' X 3/4" pony rods and 1 1/2" X 22' polished rod. Seat pump & RU pumping unit. W/ tbg full, pressure test tbg & pump to 200 psi. Stroke pump up W/ unit to 800 psi. Good pump action. RDMOSU. Est 1800 BWTR.

Place well on production @ 6:00 PM 2/19/2007 W/ 86" SL @ 5 SPM.

FINAL REPORT!!

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1767 Starting oil rec to date: 301  
 Fluid lost/recovered today: 33 Oil lost/recovered today: 402  
 Ending fluid to be recovered: 1800 Cum oil recovered: 703  
 IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

## TUBING DETAIL

KB 12.00'  
 188 2 7/8 J-55 tbg (5933.94')  
 TA (2.80' @ 5945.94' KB)  
 1 2 7/8 J-55 tbg (31.50')  
 SN (1.10' @ 5980.24' KB)  
 1 2 7/8 J-55 tbg (31.57')  
 2 7/8 NC (.45')  
 EOT 6013.36' W/ 12' KB

## ROD DETAIL

1 1/2" X 22' polished rod  
 1-8", 1-4' & 1-2' X 3/4" ponies  
 99-3/4" scraped rods  
 123-3/4" plain rods  
 10-3/4" scraped rods  
 6-1 1/2" weight rods  
 CDI 2 1/2" X 1 1/2" X 14'  
 RHAC pump W/ SM plunger

## COSTS

Western #3 \$4,899  
 Weatherford BOP \$250  
 Zubiate hot oil \$1,200  
 CDI TA \$525  
 CDI SN \$80  
 CDI rod pump \$1,450  
 "A" grade rod string \$14,152  
 NPC frac tks(7X6 dys) \$1,680  
 NPC swb tk (4 dys) \$160  
 NPC frac head \$500  
 NPC supervision \$300

Completion Supervisor: Gary Dietz

DAILY COST: \$25,196  
 TOTAL WELL COST: \$750,309

## **ATTACHMENT H**

### **WORK PROCEDURE FOR PLUGGING AND ABANDONMENT**

1. Set CIBP @ 4248'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 158' balance plug using 18 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale
4. Plug #3 120' balance plug using 14 sx Class "G" cement 60' above Uinta/Green River and extending 60' below
5. Plug #4 Pump 43 sx Class "G" Cement down 5-1/2" casing to 373'

The approximate cost to plug and abandon this well is \$59,344.

# South Wells Draw Federal #16-3-9-16

Spud Date: 11-22-06  
Put on Production: 2-19-07  
GL: 5592' KB: 5604'

Initial Production: BOPD,  
MCFD, BWPD

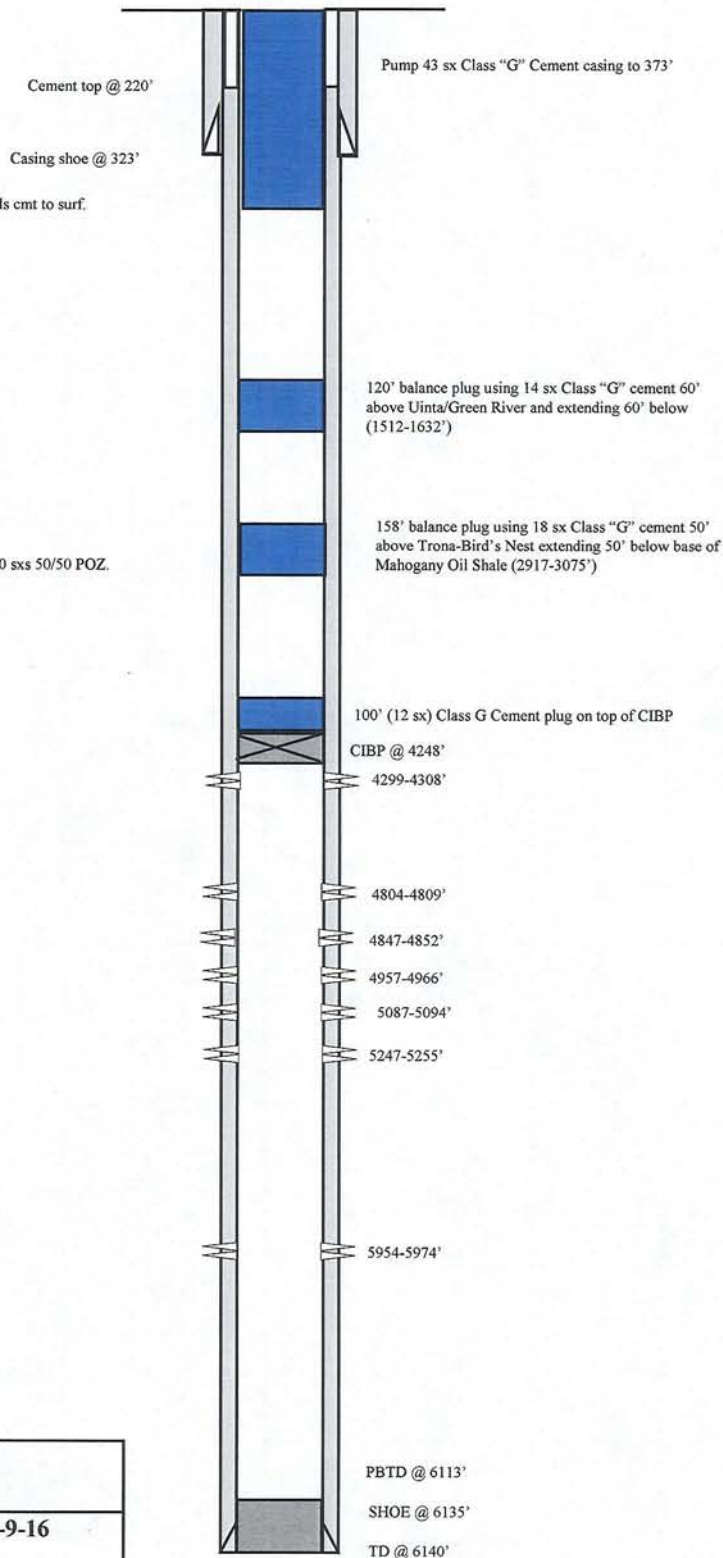
## SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (311.20')  
DEPTH LANDED: 323.05' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 1.5 bbls cmt to surf.

## PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 139 jts. (6121.81')  
DEPTH LANDED: 6135.06' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 350 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
CEMENT TOP AT: 220'

## Proposed P&A Wellbore Diagram



## South Wells Draw Federal #16-3-9-16

689' FSL & 663' FEL  
SE/SE Section 3-T9S-R16E  
Duchesne Co, Utah  
API # 43-013-32969; Lease # UTU-79832



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUBMIT IN TRIPLICATE - Other Instructions on page 2**

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630  
Myton, UT 84052

3b. Phone (include area code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
689 FSL 663 FEL  
SESE Section 3 T9S R16E

5. Lease Serial No.

USA UTU-79832

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or  
GMBU

8. Well Name and No.

SOUTH WELLS DRAW FEDERAL 16-3-9-16

9. API Well No.

4301332969

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input checked="" type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Newfield Production proposes to convert the above mentioned well from a producing oil well to an injection well.

I hereby certify that the foregoing is true and  
correct (Printed/ Typed)

Eric Sundberg

Signature

Title

Regulatory Analyst

Date

3/29/10

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or  
certify that the applicant holds legal or equitable title to those rights in the subject lease  
which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United  
States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-364

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 3, 11, AND 24, TOWNSHIP 9 SOUTH, RANGE 16 EAST; DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:

South Wells Draw Federal 16-3-9-16 well located in SE/4 SE/4, Section 3, Township 9 South, Range 16 East  
Jonah Federal 2-11-9-16 well located in NW/4 NE/4, Section 11, Township 9 South, Range 16 East  
Castle Peak Federal 12-24-9-16 well located in SW/4 NW/4, Section 24, Township 9 South, Range 16 East

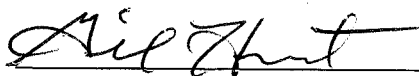
The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Gil Hunt, Associate Director, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 22nd day of April, 2010.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING

  
\_\_\_\_\_  
Gil Hunt  
Associate Director

**Newfield Production Company**

**SOUTH WELLS DRAW FEDERAL 16-3-9-16,  
JONAH FEDERAL 2-11-9-16,  
CASTLE PEAK FEDERAL 12-24-9-16.**

**Cause No. UIC-364**

Publication Notices were sent to the following:

Newfield Production Company  
1001 17th Street, Suite 2000  
Denver, CO 80202

Duchesne County Planning  
P O Box 317  
Duchesne, UT 84021-0317

Uintah Basin Standard  
268 South 200 East  
Roosevelt, UT 84066  
via e-mail [ubs@ubstandard.com](mailto:ubs@ubstandard.com)

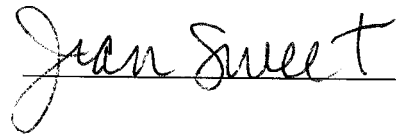
Bruce Suchomel  
US EPA Region 8  
MS 8P-W-GW  
1595 Wynkoop Street  
Denver, CO 80202-1129

Salt Lake Tribune  
P O Box 45838  
Salt Lake City, UT 84145  
via e-mail [naclegal@mediaoneutah.com](mailto:naclegal@mediaoneutah.com)

Newfield Production Company  
Rt 3 Box 3630  
Myton, UT 84052

Vernal Office  
Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078

SITLA  
675 East 500 South, Suite 500  
Salt Lake City, UT 84102-2818

  
\_\_\_\_\_

**Jean Sweet - RE: Notice of Agency Action - Newfield Production Company Cause No. UIC-364**

---

**From:** "NAC Legal" <naclegal@mediaoneutah.com>  
**To:** "Jean Sweet" <jsweet@utah.gov>  
**Date:** 4/23/2010 10:13 AM  
**Subject:** RE: Notice of Agency Action - Newfield Production Company Cause No. UIC-364

---

Ad #570563 is scheduled to run April 27th in Salt Lake Tribune and on the website utahlegals.com .

Total charge is \$150.00. Please check the ad in the paper.

Thank you,

Lynn Valdez

MediaOne of Utah,

a Newspaper Agency Company

4770 South 5600 West

West Valley City, Utah 84118

Ph.: 801-204-6245

Email: naclegal@mediaoneutah.com

---

**From:** Jean Sweet [mailto:jsweet@utah.gov]  
**Sent:** Thursday, April 22, 2010 2:53 PM  
**To:** naclegal@mediaoneutah.com  
**Subject:** Notice of Agency Action – Newfield Production Company Cause No. UIC-364

To whom it may concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as

soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](mailto:jsweet@utah.gov).

Please send proof of publication and billing for **account #9001402352** to:

Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet, Executive Secretary  
Utah Div. of Oil, Gas & Mining  
1594 West Temple, Suite 1210  
Salt Lake City, UT  
801-538-5329  
[jsweet@utah.gov](mailto:jsweet@utah.gov)



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

April 22, 2010

VIA E-MAIL [naclegal@mediaoneutah.com](mailto:naclegal@mediaoneutah.com)

Salt Lake Tribune  
P. O. Box 45838  
Salt Lake City, UT 84145

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-364

To whom it may concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](mailto:jsweet@utah.gov).

Please send proof of publication and billing for **account #9001402352** to:

Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet  
Executive Secretary

Enclosure





GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

April 22, 2010

Via e-mail: [ubs@ubstandard.com](mailto:ubs@ubstandard.com)

Uintah Basin Standard  
268 South 200 East  
Roosevelt, UT 84066

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-364

To whom it may concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](mailto:jsweet@utah.gov).

Please send proof of publication and billing to:

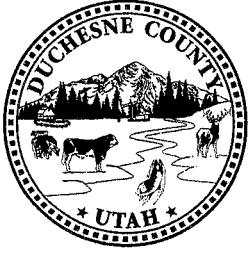
Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet  
Executive Secretary

Enclosure





*Duchesne County Planning, Zoning  
& Community Development  
734 North Center Street  
P.O. Box 317  
Duchesne, Utah 84021  
(435) 738-1152  
Fax (435) 738-5522*

April 26, 2010

Mr. Gil Hunt, Associate Director  
Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

RECEIVED

APR 28 2010

DIV. OF OIL, GAS & MINING

RE: Newfield Production Company Injection Wells (Cause No UIC-364)

Dear Mr. Hunt:

We are in receipt of your notice regarding Newfield Production Company's request to convert three wells, located in Sections 3, 11 and 24, Township 9 South, Range 16 East, Duchesne County, to Class II injection wells.

Duchesne County is supportive of this request and recommends approval under conditions that your agency deems appropriate.

Thank you for the opportunity to comment.

Sincerely,

Mike Hyde, AICP  
Community Development Administrator

pc: Mike Guinn, Newfield Production Company, Rt. 3, Box 3630, Myton, UT 84052



PROOF OF PUBLICATION

CUSTOMER'S  
COPY

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING, 1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	9001402352	4/28/2010

RECEIVED

MAY 05 2010

ACCOUNT NAME	
DIV OF OIL-GAS & MINING,	
TELEPHONE	ADORDER# / INVOICE NUMBER
8015385340	0000570563 /
SCHEDULE	
Start 04/27/2010	End 04/27/2010
CUST. REF. NO.	
UIC 364	
CAPTION	
BEFORE THE DIVISION OF OIL, GAS AND MINI	
SIZE	
58 Lines	2.00 COLUMN
TIMES	RATE
3	
MISC. CHARGES	AD CHARGES
TOTAL COST	
150.00	

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-364

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 3, 11, AND 24, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:  
South Wells Draw Federal 16-3-9-16 well located in SE/4 SE/4, Section 3, Township 9 South, Range 16 East  
Jonah Federal 2-11-9-16 well located in NW/4 NE/4, Section 11, Township 9 South, Range 16 East  
Castle Peak Federal 12-24-9-16 well located in SW/4 NW/4, Section 24, Township 9 South, Range 16 East

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Gil Hunt, Associate Director, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 22nd day of April, 2010.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING  
/s/ Gil Hunt  
Gil Hunt  
Associate Director

570563

UPAXLP

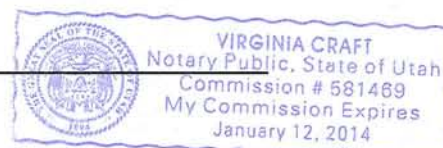
AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY CORPORATION LEGAL BOOKER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF **BEFORE THE DIVISION OF OIL, GAS AND MINI** FOR **DIV OF OIL-GAS & MINING**, WAS PUBLISHED BY THE NEWSPAPER AGENCY CORPORATION, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH. NOTICE IS ALSO POSTED ON UTAHLEGALS.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE AND REMAINS ON UTAHLEGALS.COM INDEFINATELY.

PUBLISHED ON Start 04/27/2010 End 04/27/2010

SIGNATURE

DATE 4/28/2010



Virginia Craft

THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"  
PLEASE PAY FROM BILLING STATEMENT

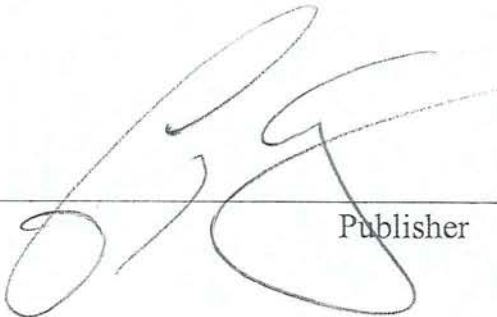
2250/REB/GGOICADMIN/BF10/6131



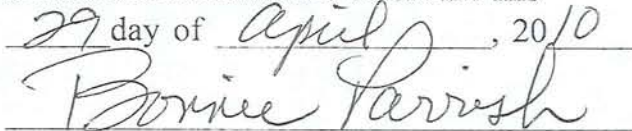
# AFFIDAVIT OF PUBLICATION

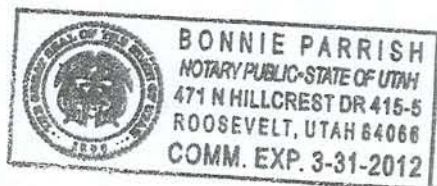
County of Duchesne,  
STATE OF UTAH

I, Craig L. Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 27 day of April, 2010, and that the last publication of such notice was in the issue of such newspaper dated the 27 day of April, 2010, and that said notice was published on Utahlegals.com on the same day as the first newspaper publication and the notice remained on Utahlegals.com until the end of the scheduled run.

  
\_\_\_\_\_  
Publisher

Subscribed and sworn to before me this

27 day of April, 2010  
  
\_\_\_\_\_  
Notary Public



## NOTICE OF AGENCY ACTION CAUSE NO. UIC-364

BEFORE THE DIVI-  
SION OF OIL, GAS AND  
MINING

DEPARTMENT OF  
NATURAL RESOURC-  
ES

STATE OF UTAH  
IN THE MATTER OF  
THE APPLICATION  
OF NEWFIELD PRO-  
DUCTION COMPANY  
FOR ADMINISTRA-  
TIVE APPROVAL OF  
CERTAIN WELLS LO-  
CATED IN SECTIONS  
3, 11, AND 24, TOWN-  
SHIP 9 SOUTH, RANGE  
16 EAST; DUCHESNE  
COUNTY, UTAH, AS  
CLASS II INJECTION  
WELLS.

THE STATE OF UTAH  
TO ALL PERSONS IN-  
TERESTED IN THE  
ABOVE ENTITLED  
MATTER.

Notice is hereby given  
that the Division of Oil,  
Gas and Mining (the "Di-  
vision") is commencing  
an informal adjudicative  
proceeding to consider the  
application of Newfield  
Production Company  
for administrative ap-  
proval of the following  
wells located in Duchesne  
County, Utah, for conver-  
sion to Class II injection  
wells:

Greater Monument  
Butte Unit:

South Wells Draw  
Federal 16-3-9-16 well  
located in SE/4 SE/4,  
Section 3, Township 9  
South, Range 16 East

Jonah Federal 2-11-9-  
16 well located in NW/4  
NE/4, Section 11, Town-  
ship 9 South, Range 16  
East

Castle Peak Federal  
12-24-9-16 well located  
in SW/4 NW/4, Section  
24, Township 9 South,  
Range 16 East

The proceeding will  
be conducted in accord-  
ance with Utah Admin.  
R649-10, Administrative  
Procedures.

Selected zones in the  
Green River Formation  
will be used for water  
injection. The maximum  
requested injection pres-  
sures and rates will be  
determined based on frac-  
ture gradient information

Subscribed and sworn to before me this

29 day of April, 2010

Bonnie Parrish

Notary Public



wells:

Greater Monument  
Butte Unit:

South Wells Draw  
Federal 16-3-9-16 well  
located in SE/4 SE/4,  
Section 3, Township 9  
South, Range 16 East

Jonah Federal 2-11-9-  
16 well located in NW/4  
NE/4, Section 11, Town-  
ship 9 South, Range 16  
East

Castle Peak Federal  
12-24-9-16 well located  
in SW/4 NW/4, Section  
24, Township 9 South,  
Range 16 East

The proceeding will  
be conducted in accor-  
dance with Utah Admin.  
R649-10, Administrative  
Procedures.

Selected zones in the  
Green River Formation  
will be used for water  
injection. The maximum  
requested injection pres-  
sures and rates will be  
determined based on frac-  
ture gradient information  
submitted by Newfield  
Production Company.

Any person desiring to  
object to the application  
or otherwise intervene in  
the proceeding, must file a  
written protest or notice of  
intervention with the Di-  
vision within fifteen days  
following publication of  
this notice. The Division's  
Presiding Officer for the  
proceeding is Gil Hunt,  
Associate Director, at P.O.  
Box 145801, Salt Lake  
City, UT 84114-5801,  
phone number (801) 538-  
5340. If such a protest or  
notice of intervention is  
received, a hearing will be  
scheduled in accordance  
with the aforementioned  
administrative procedural  
rules. Protestants and/or  
interveners should be  
prepared to demonstrate  
at the hearing how this  
matter affects their inter-  
ests.

Dated this 22nd day of  
April, 2010.

STATE OF UTAH  
DIVISION OF OIL,  
GAS & MINING

/s/

Gil Hunt

Associate Director

Published in the Uintah  
Basin Standard April 27,  
2010.

Return payment to:

268 S 200 E,  
Roosevelt, Utah 84066

Utah Basin  
**Standard**  
Tel: 435-722-5131  
www.ubstandard.com

**VERNAL**  
**Express**  
Tel: 435-789-3511  
www.vernal.com

**INVOICE**

RECEIVED  
MAY 03 2010  
DIV. OF OIL, GAS & MINING / N / C E

No: 56040

DIVISION OF OIL GAS & MINING  
Rose Nolton  
1594 W. N.TEMPLE STE 121  
PO BOX 145801  
SALT LAKE CITY. UT 84114-5801

Customer No.  
2080

SalesPerson  
Parrish

Invoice Date  
4/28/2010

Date	Reference	Description	Quantity	Charge
4/27/2010	56040	UB-Legal Notice Notice of Agency Action - Cause No. UIC-364□ Ran April 27, 2010	1.00	\$97.60

Invoice Amount: \$97.60

Thank you for your business!

**DIVISION OF OIL, GAS AND MINING  
UNDERGROUND INJECTION CONTROL PROGRAM  
PERMIT  
STATEMENT OF BASIS**

**Applicant:** Newfield Production Company      **Well:** South Wells Draw Federal 16-3-9-16

**Location:** 3/9S/16E      **API:** 43-013-32969

**Ownership Issues:** The proposed well is located on BLM land. The well is located in the Greater Monument Butte Unit. Lands in the one-half mile radius of the well are administered by the BLM and the State of Utah. The Federal Government and the State of Utah are the mineral owners within the area of review. Newfield and other various individuals hold the leases in the unit. Newfield has provided a list of all surface, mineral and lease holders in the half-mile radius. Newfield is the operator of the Greater Monument Butte Unit. Newfield has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

**Well Integrity:** The proposed well has surface casing set at 323 feet and has a cement top at the surface. A 5½ inch production casing is set at 6,135 feet. A cement bond log demonstrates adequate bond in this well up to 3,040 feet. A 2 7/8 inch tubing with a packer will be set at 4,249 feet. Higher perforations will be opened at a later date. A mechanical integrity test will be run on the well prior to injection. There are 7 producing wells, 4 injection wells, and 1 P/A well in the area of review (AOR). Additionally, there is currently 1 well being directionally drilled from a surface location inside the AOR to bottom hole location outside the AOR and 1 permitted location for another well to be drilled from a surface location inside the AOR to a bottom hole location outside the AOR. All of the existing wells have evidence of adequate casing and cement. Inasmuch as several logs are of dubious quality or do not exhibit conclusive cement tops, it has been necessary to calculate approximate tops for "lite" cement, based on the cement indicated in the well completion report.

**Ground Water Protection:** As interpreted from Technical Publication No. 92, the base of moderately saline water is at a depth of approximately 1600 feet. Injection shall be limited to the interval between 4,076 feet and 6,140 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 16-3-9-16 well is 0.80 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,847 psig. The requested maximum pressure is 1,847 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

**South Wells Draw Federal 16-3-9-16**

**page 2**

**Oil/Gas& Other Mineral Resources Protection:** The Board of Oil, Gas & Mining approved the Greater Monument Butte Unit on December 1, 2009. Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

**Bonding:** Bonded with the BLM

**Actions Taken and Further Approvals Needed:** A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Mark Reinbold Date 5/13/2010





GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

May 19, 2010

Newfield Production Company  
1001 Seventeenth Street, Suite 2000  
Denver, CO 80202

Subject: Greater Monument Butte Unit Well: South Wells Draw Federal 16-3-9-16, Section 3, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-32969

Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company.
3. A casing/tubing pressure test shall be conducted prior to commencing injection.
4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.

A final approval to commence injection will be issued upon satisfactory completion of the listed stipulations. If you have any questions regarding this approval or the necessary requirements, please contact Mark Reinbold at 801-538-5333 or Brad Hill at 801-538-5315.

Sincerely,

Gil Hunt  
Associate Director

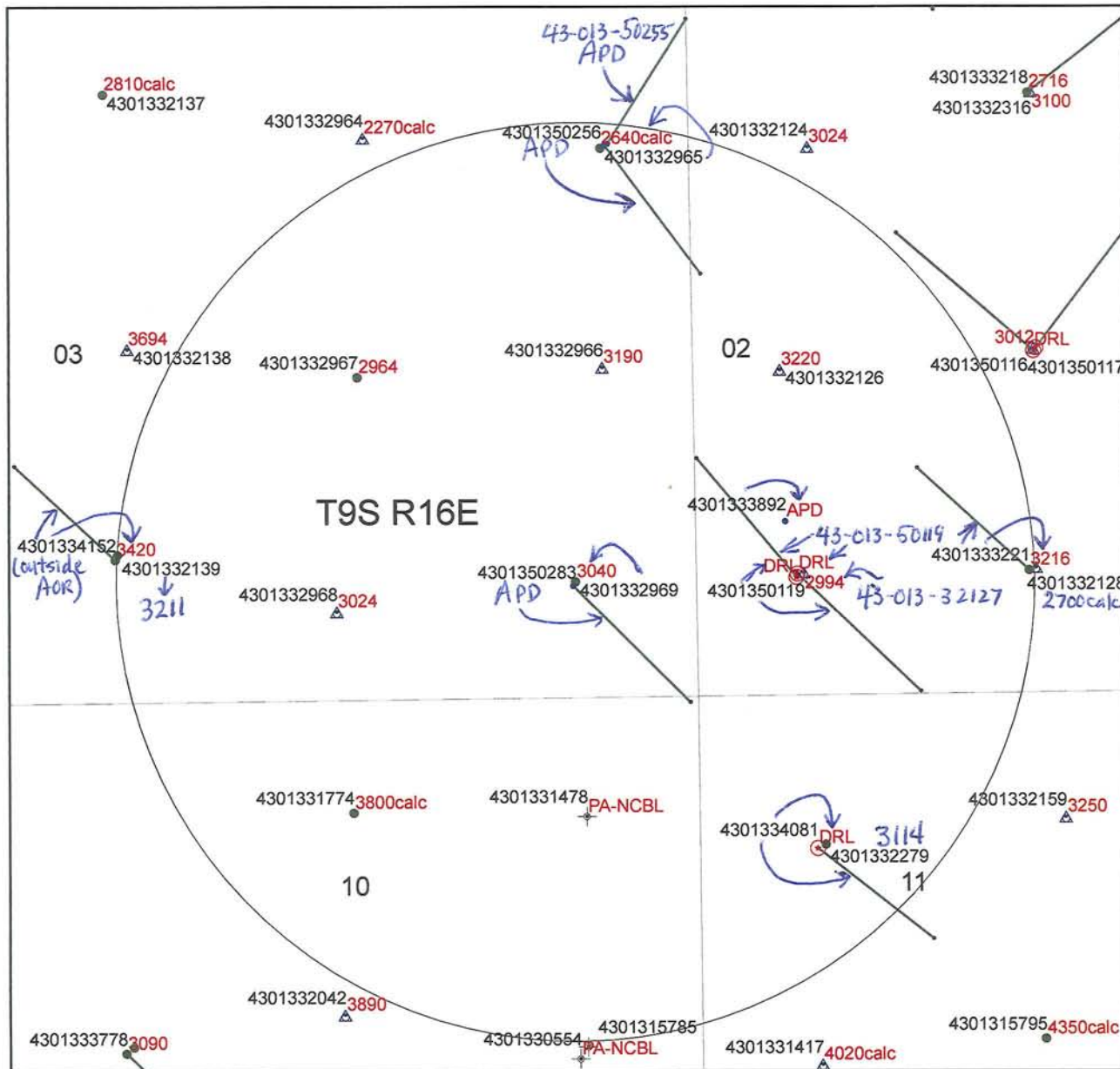
GLH/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency  
Bureau of Land Management, Vernal  
SITLA  
Duchesne County  
Newfield Production Company, Myton  
Well File

N:\O&G Reviewed Docs\ChronFile\UIC







# **SOUTH WELLS DRAW FEDERAL 16-3-9-16**

API #43-013-32969

UIC-364.2

## **Legend**

- Buffer\_of\_Wells-CbtopsMaster5\_4\_10\_4
- GAS INJECTION
- TW
- TA
- OPS
- GS
- APD
- PA
- LA
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING
- RETURNED GAS
- RETURNED OIL
- GAS INJECTION SI
- WATER DISP. SUSP.
- WATER INJ. SUSP.
- county-lines
- Townships
- Sections
- Wells-CbtopsMaster5\_4\_10
- SGID93 ENERGY.DNROilGasWells\_HDPath

0 0.24 Miles

1870calc = approx cement top calculated from well completion report



**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:  
USA UTU-79832

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		8. WELL NAME and NUMBER: SOUTH WELLS DRAW FEDERAL
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 689 FSL 663 FEL		9. API NUMBER: 4301332969
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SESE, 3, T9S, R16E		10. FIELD AND POOL, OR WILDCAT: GREATER MB UNIT
COUNTY: DUCHESNE		STATE: UT

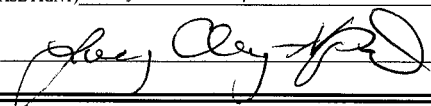
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will  	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  09/14/2010	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: -
	<input checked="" type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The subject well has been converted from a producing oil well to an injection well on 08/26/2010.  
On 09/10/2010 Dennis Ingram with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well.  
Permission was given at that time to perform the test on 09/10/2010. On 09/14/2010 the casing was pressured up to 1260 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 350 psig during the test. There was not a State representative available to witness the test.

API# 43-013-32969

NAME (PLEASE PRINT) Lucy Chavez-Naupoto TITLE Administrative Assistant  
SIGNATURE  DATE 09/15/2010

(This space for State use only)

**RECEIVED**  
**SEP 20 2010**  
DIV. OF OIL, GAS & MINING

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630

Myton, UT 84052

435-646-3721

Witness: \_\_\_\_\_ Date 9 / 14 / 2010 Time 10:30 (am) pm

Test Conducted by: NEwFIELD EXPLORATION

Others Present: \_\_\_\_\_

Well: SOUTH WELL'S Draw Federal 16-3-9-16

Field: MONUMENT BUTTE

Well Location: SE/SE, Sec 3, T9S, R16E

API No: 43-013-32969

## Time

## Casing Pressure

0 min	<u>1260</u>	psig
5	<u>1260</u>	psig
10	<u>1260</u>	psig
15	<u>1260</u>	psig
20	<u>1260</u>	psig
25	<u>1260</u>	psig
30 min	<u>1260</u>	psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min		psig

Tubing pressure: 350 psig

Result:

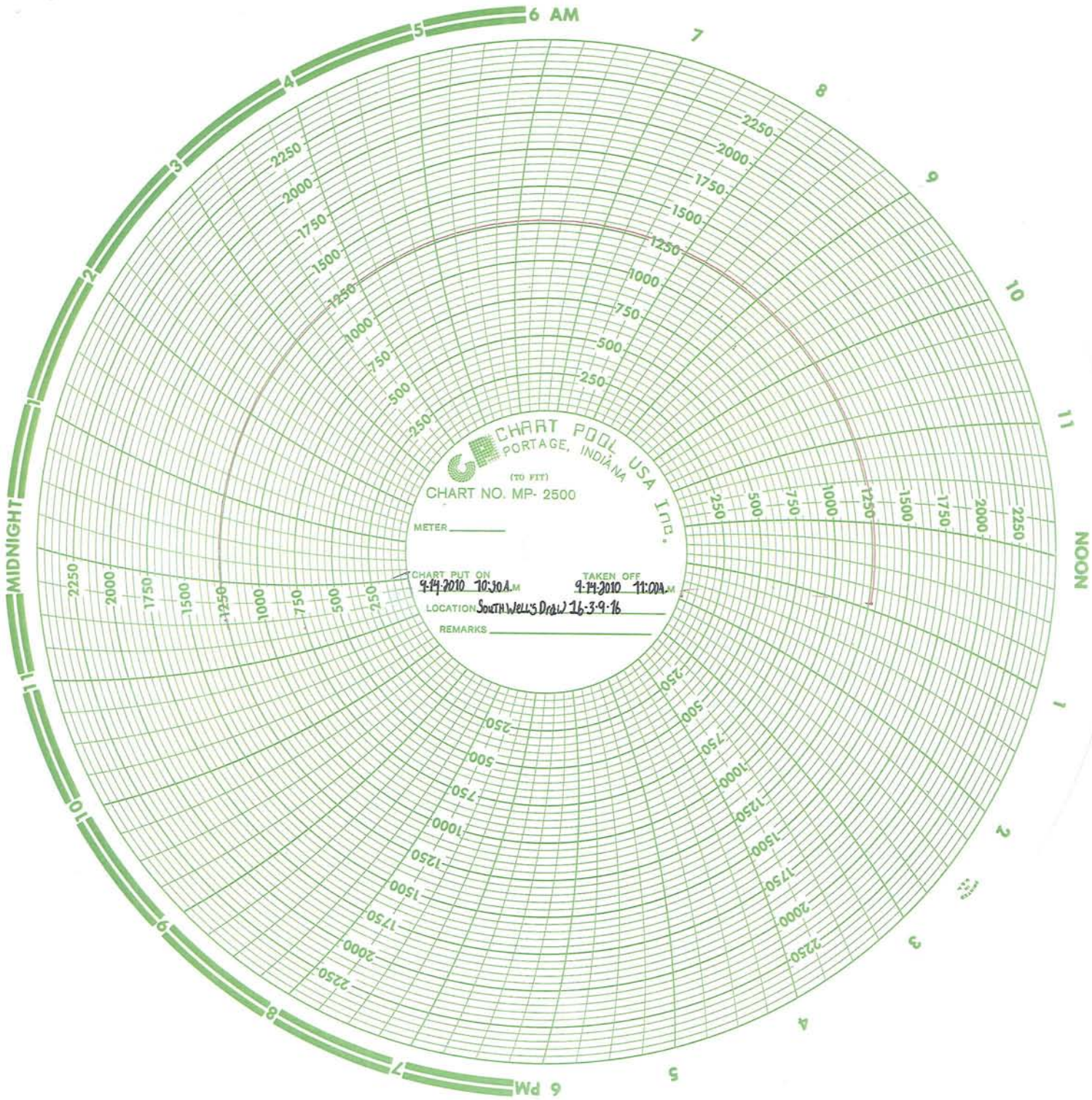
Pass

Fail

Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: Ted Littlefield





**Daily Activity Report****Format For Sundry****S WELLS DRW 16-3-9-16****6/1/2010 To 10/30/2010****8/24/2010 Day: 1****Conversion**

Nabors #809 on 8/24/2010 - MIRU nabors 809. LD rod string. Release TA & NU BOP - MIRU Nabors #809. RU HO trk to annulus & pump 60 BW @ 250°F. RU pumping unit & unseat rod pump. Flush tbg & rods W/ 30 BW @ 250°F. Re-seat pump, soft joint rod string & strip off flow-T. Fill tbg W/ 15 BW. Pressure test tbg to 3000 psi. Retrieve rod string & unseat pump. TOH & LD rod string and pump. Re-flushed rods on TOH w/ 15 BW. ND wellhead & release TA @ 5998'. NU BOP. SIFN. - MIRU Nabors #809. RU HO trk to annulus & pump 60 BW @ 250°F. RU pumping unit & unseat rod pump. Flush tbg & rods W/ 30 BW @ 250°F. Re-seat pump, soft joint rod string & strip off flow-T. Fill tbg W/ 15 BW. Pressure test tbg to 3000 psi. Retrieve rod string & unseat pump. TOH & LD rod string and pump. Re-flushed rods on TOH w/ 15 BW. ND wellhead & release TA @ 5998'. NU BOP. SIFN. **Finalized**

**Daily Cost: \$0****Cumulative Cost: (\$67,644)**

---

**8/25/2010 Day: 2****Conversion**

Nabors #809 on 8/25/2010 - TOH w/ tbg. TIH w/ pkr. Drop SV & pressure up on tbg. - TOH & talley production tbg. Break each connection, clean & inspect pins and apply Liquid O-ring to pins. LD btm 55 jts & BHA. MU & TIH W/ new Weatherford 5 1/2" Arrowset 1-X packer (W/ wicker slips & W.L. re-entry guide), new 2 7/8 SN and 135 jts 2 7/8 8rd 6.5# J-55 tbg. Re-torque each connection on TIH. RU HO trk & pump 30 bbls pad. Drop standing valve & pump to SN. Pressure test tbg to 3000 psi. Bled air & re-bumped pressure several times. Watch pressure overnight. - TOH & talley production tbg. Break each connection, clean & inspect pins and apply Liquid O-ring to pins. LD btm 55 jts & BHA. MU & TIH W/ new Weatherford 5 1/2" Arrowset 1-X packer (W/ wicker slips & W.L. re-entry guide), new 2 7/8 SN and 135 jts 2 7/8 8rd 6.5# J-55 tbg. Re-torque each connection on TIH. RU HO trk & pump 30 bbls pad. Drop standing valve & pump to SN. Pressure test tbg to 3000 psi. Bled air & re-bumped pressure several times. Watch pressure overnight. **Finalized**

**Daily Cost: \$0****Cumulative Cost: (\$60,481)**

---

**8/26/2010 Day: 3****Conversion**

Nabors #809 on 8/26/2010 - Try to pressure test tbg. No test. Change out SV. Continue in and out of hole w/ tbg looking for leak. SV was stuck open. Drop new SV and continue to look for leak. SIWFN - Try to pressure test tbg. No test. Change out SV. Continue in and out of hole w/ tbg looking for leak. SV was stuck open. Drop new SV and continue to look for leak. SIWFN - Try to pressure test tbg. No test. Change out SV. Continue in and out of hole w/ tbg looking for leak. SV was stuck open. Drop new SV and continue to look for leak. SIWFN

**Finalized****Daily Cost: \$0****Cumulative Cost: (\$53,993)**

---

**8/27/2010 Day: 4****Conversion**

Nabors #809 on 8/27/2010 - TIH w/ tbg pressure testing to 3000 psi. Fish SV. ND BOP. Land

tbg on flange. Pump pkr fluid. Set pkr. Land tbg. Pressure test csg & pkr. RDMOSU. - RIH w/ PKR, SN & 14 jts tbg. Drop SV. Pressure test tbg to 3500 psi. Continue TIH w/ tbg pressure testing. Final pressure test held 3000 psi for 30 mins w/ no pressure lose in 30 min. Fish SV. ND BOP. Land tbg on flange. Pump 65 bbls of fresh wtr w/ pkr fluid. Unland tbg. Set pkr w/ 15,000#'s of tension. NU WH. Pressure test csg & pkr to 1400 psi. RDMOSU. READY FOR MIT. - RIH w/ PKR, SN & 14 jts tbg. Drop SV. Pressure test tbg to 3500 psi. Continue TIH w/ tbg pressure testing. Final pressure test held 3000 psi for 30 mins w/ no pressure lose in 30 min. Fish SV. ND BOP. Land tbg on flange. Pump 65 bbls of fresh wtr w/ pkr fluid. Unland tbg. Set pkr w/ 15,000#'s of tension. NU WH. Pressure test csg & pkr to 1400 psi. RDMOSU. READY FOR MIT.

**Daily Cost:** \$0

**Cumulative Cost:** (\$42,824)

---

**9/15/2010 Day: 5**

**Conversion**

Rigless on 9/15/2010 - Conversion MIT. - On 9/10/2010 Dennis Ingram with the State of Utah DOGM was contacted concerning the Conversion MIT on the above listed well (South Wells draw 16-3-9-16). Permission was given at that time to perform the test on 9/10/2010. On 9/14/2010 the csg was pressured up to 1260 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 350 psig during the test. There was not a State representative available to witness the test. API # 43-013-32969 - On 9/10/2010 Dennis Ingram with the State of Utah DOGM was contacted concerning the Conversion MIT on the above listed well (South Wells draw 16-3-9-16). Permission was given at that time to perform the test on 9/10/2010. On 9/14/2010 the csg was pressured up to 1260 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 350 psig during the test. There was not a State representative available to witness the test. API # 43-013-32969

**Daily Cost:** \$0

**Cumulative Cost:** (\$17,504)

---

**Pertinent Files: Go to File List**



GARY R. HERBERT  
Governor

GREG BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

## UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-364

**Operator:** Newfield Production Company  
**Well:** South Wells Draw Federal 16-3-9-16  
**Location:** Section 3, Township 9 South, Range 16 East  
**County:** Duchesne  
**API No.:** 43-013-32969  
**Well Type:** Enhanced Recovery (waterflood)

### Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on May 19, 2010.
2. Maximum Allowable Injection Pressure: 1,847 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (4,076' – 6,140')
5. Any subsequent wells drilled within a ½ mile radius of this well shall have production casing cement brought up to or above the top of the unitized interval for the Greater Monument Butte Unit.

Approved by:

  
Dan Jarvis  
Acting Associate Director

Date

9/27/10

DJJ/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency  
Bureau of Land Management, Vernal  
Eric Sundberg, Newfield Production Company, Denver  
Newfield Production Company, Myton  
Duchesne County  
Well File

N:\O&G Reviewed Docs\ChronFile\UIC\Newfield





STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-79832
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: GMBU
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: GMBU
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 689 FSL 663 FEL		8. WELL NAME and NUMBER: SOUTH WELLS DRAW FEDERAL
5. OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SESE, 3, T9S, R16E		9. API NUMBER: 4301332969
		10. FIELD AND POOL, OR WILDCAT: GREATER MB UNIT
		COUNTY: DUCHESNE
		STATE: UT

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will 10/11/2010	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input checked="" type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARITLY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: - Put on Injection
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
The above reference well was put on injection at 2:30 PM on 10/11/2010.

NAME (PLEASE PRINT) Lucy Chavez-Naupoto TITLE Administrative Assistant  
SIGNATURE  DATE 10/11/2010

(This space for State use only)

RECEIVED  
OCT 14 2010  
DIV. OF OIL, GAS & MINING



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

**SUBMIT IN TRIPLICATE - Other Instructions on page 2**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630

Myton, UT 84052

3b. Phone (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

689 FSL 663 FEL

SESE Section 3 T9S R16E

5. Lease Serial No.

USA UTU-79832

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

GMBU

8. Well Name and No.

SOUTH WELLS DRAW FEDERAL 16-3-9-16

9. API Well No.

4301332969

10. Field and Pool, or Exploratory Area

GREATER MB UNIT

11. County or Parish, State

DUCHESNE, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Put on Injection _____
	<input checked="" type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

The above reference well was put on injection at 2:30 PM on 10/11/2010.

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Lucy Chavez-Naupoto

Signature

Title

Administrative Assistant

Date

10/11/2010

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

**RECEIVED**

**OCT 14 2010**

**DIV. OF OIL, GAS & MINING**

# South Wells Draw Federal 16-3-9-16

Spud Date: 11-22-06  
Put on Production: 2-19-07  
GL: 5592' KB: 5604'

## Injection Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (311.20')  
DEPTH LANDED: 323.05' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 1.5 bbls cmt to surf

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 139 jts (6121.81')  
DEPTH LANDED: 6135.06' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 350 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
CEMENT TOP AT: 220'

### TUBING

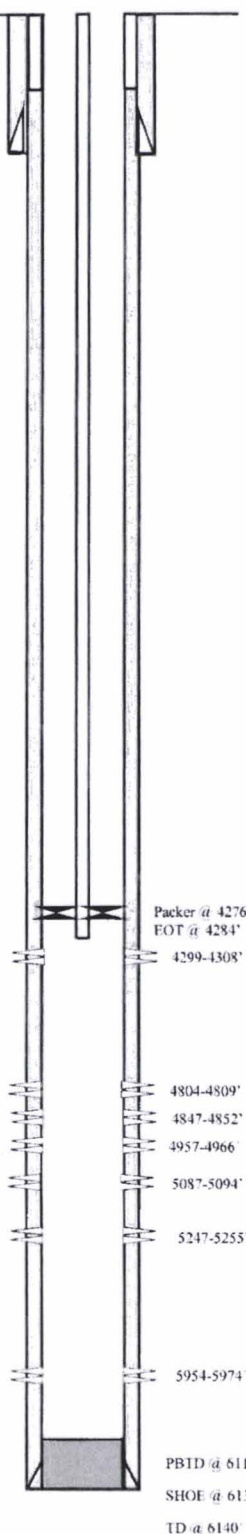
SIZE GRADE/WT: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 135 jts (4263.3')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 4275.3' KB  
CE @ 4276.4'  
TOTAL STRING LENGTH: EOT @ 4284' KB

### FRAC JOB

02-09-07	5954-5974'	<b>Frac CP5 sands as follows:</b> 100611# 20/40 sand in 735 bbls Lightning 17 frac fluid. Treated @ avg press of 1756 psi w/avg rate of 24.8 BPM. ISIP 2030 psi. Calc flush: 5952 gal. Actual flush: 5418 gal.
02-09-07	5247-5255'	<b>Frac A1 sands as follows:</b> 41752# 20/40 sand in 417 bbls Lightning 17 frac fluid. Treated @ avg press of 2017 psi w/avg rate of 24.5 BPM. ISIP 2190 psi. Calc flush: 5245 gal. Actual flush: 4746 gal.
02-12-07	5087-5094'	<b>Frac B2 sands as follows:</b> 14997# 20/40 sand in 265 bbls Lightning 17 frac fluid. Treated @ avg press of 2933 psi w/avg rate of 24 BPM. ISIP 1880 psi. Calc flush: 5085 gal. Actual flush: 4582 gal.
02-12-07	4957-4966'	<b>Frac C sands as follows:</b> 38153# 20/40 sand in 605 bbls Lightning 17 frac fluid. Treated @ avg press of 2783 psi w/avg rate of 20 BPM. ISIP 2180 psi. Calc flush: 4955 gal. Actual flush: 4456 gal.
02-13-07	4804-4852'	<b>Frac D1, &amp; D2 sands as follows:</b> 25870# 20/40 sand in 317 bbls Lightning 17 frac fluid. Treated @ avg press of 1944 psi w/avg rate of 24.5 BPM. ISIP 2136 psi. Calc flush: 4802 gal. Actual flush: 4284 gal.
02-13-07	4299-4308'	<b>Frac GB6 sands as follows:</b> 39233# 20/40 sand in 357 bbls Lightning 17 frac fluid. Treated @ avg press of 2540 psi w/avg rate of 25 BPM. ISIP 1973 psi. Calc flush: 4297 gal. Actual flush: 4200 gal.
4/24/2010		<b>Pump change.</b> Updated rod and tubing detail.
08/26/10		<b>Convert to Injection Well</b>
09/14/10		<b>Conversion MIT Finalized</b>

### PERFORATION RECORD

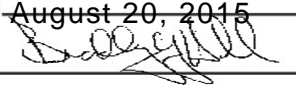
01-29-07	5954-5974'	4 JSPF	80 holes
02-09-07	5247-5255'	4 JSPF	32 holes
02-09-07	5087-5094'	4 JSPF	28 holes
02-12-07	4957-4966'	4 JSPF	36 holes
02-12-07	4847-4852'	4 JSPF	20 holes
02-12-07	4804-4809'	4 JSPF	20 holes
02-13-07	4299-4308'	4 JSPF	36 holes



**NEWFIELD**

**South Wells Draw Federal 16-3-9-16**

689' FSL & 663' FEL  
SE/SE Section 3-19S-R16L  
Duchesne Co. Utah  
API # 43-013-32969; Lease # UTU-79832

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-79832
<b>1. TYPE OF WELL</b> Water Injection Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630, Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> S WELLS DRAW FED 16-3-9-16
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0689 FSL 0663 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESE Section: 03 Township: 09.0S Range: 16.0E Meridian: S		<b>9. API NUMBER:</b> 43013329690000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 8/13/2015	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> CHANGE WELL NAME	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input checked="" type="checkbox"/> OTHER	
	OTHER: 5 YR MIT	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. On 08/10/2015 Richard Powell with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. On 08/13/2015 the casing was pressured up to 1116 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1807 psig during the test. There was not a State representative available to witness the test.		
<b>Accepted by the Utah Division of Oil, Gas and Mining</b>  <b>Date:</b> August 20, 2015 <b>By:</b> 		
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 8/14/2015	

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630

Myton, UT 84052

435-646-3721

Witness: \_\_\_\_\_ Date 8/13/15 Time 9:53 am pm  
Test Conducted by: Michael Jeason  
Others Present: Galen Ross

Well: South Wells Draw Federal 16-3-9-16 Field: Monument Butte

Well Location: SE/SE Sec. 3, T9S, R16E API No: 43-013-32969

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1115.4</u>	psig
5	<u>1116.0</u>	psig
10	<u>1115.4</u>	psig
15	<u>1116.2</u>	psig
20	_____	psig
25	_____	psig
30 min	_____	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 1807 psig

Result: Pass Fail

Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: Michael Jeason

South Wells Draw Federal 16-3-9-16 5 Year MIT (8-13-15)

8/13/2015 9:51:15 AM

